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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

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PATENTS AND DESIGNS

Calcutta, the 26th August, 1995

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Building, 5th, 6th and 7th Floor,
234/4, Acharya Jagadish Bose Road,
Calcutta-700020.

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All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

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पेटेंट कार्यालय

एकस्य तथा अभिकल्प

कलकत्ता, दिनांक 26 अगस्त 1995

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
वीसरा तल, नोअर परले (पश्चिम),
बम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य
क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा
दीव एवं दादरा और नगर हवेली ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405; तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोले बाग,
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,
61, बालाजाह रोड,
मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,
मिनिक्काय तथा एमिनिदिक् द्वीप ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय,
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700020 ।

भारत का अक्सरेष क्षेत्र ।

तार पता—“पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपे-
क्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट
कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे ।

शुल्क :—शुल्कों की अदायगी या तो नकद की जाएगी अथवा
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा
आदेश या जहाँ उपयुक्त कार्यालय अवस्थित है; उस स्थान
के अनुसूचित बैंक में नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट
अथवा बैंक द्वारा की जा सकती है ।

CORRECTION OF CLERICAL ERROR UNDER
SECTION 78(1)

Under Section 78(1) of the patents Act 1970 following
clerical errors occurring in the application for patent in res-
pect of Patent No. 172855 have been allowed.

“Chand Charan Das” has been corrected to “Chandi
Charan Das”.

ALTERATION OF DATE UNDER SECTION 16

Patent No. 175796 (290/M/93) Ante-dated to 18th
January, 1990.

Patent No. 175780 (668/Cal/92) antedated to 06th April,
1989.

APPLICATION FOR PATENT FILED AT THE HEAD
OFFICE 234/4, ACHARYA JAGDISH BOSE ROAD,
CALCUTTA-20.

The dates shown in the crescent brackets are the dates
claimed under section 135, of the Patent Act, 1970.

13-06-1995.

666/Cal/95. Harris Corporation. Rescalable Module for
supporting acoustic transducer and printed circuit
components within receiver and of craftsman's
test set.

667/Cal/95. Metallgesellschaft Aktiengesellschaft. Pro-
cess and apparatus for a rapid cooling of a hot
gas mixture which contains hydrogen and ele-
mentary sulfur. (Convention No. 195 04 741.9;

668/Cal/95. Argu Alois Gruber Ges. m.b.H. Process for
the fusion jointing of plastics pipes and socket
for carrying out the process. (Convention No.
P4422372.2; filed on 27/6/94; in Germany).

669/Cal/95. Norpharmco Inc. A method for the prepara-
tion of a pharmaceutical composition for use to
prevent the narrowing of the tubular walls of a
human after the tubular walls have been trauma-
tized. (Convention No. 2,079,205-1, filed on
25/9/1992; in Canada). [Divided out of No.
554/Cal/93; dated 22nd September, 1993].

670/Cal/95. Norpharmco Inc. A method for the prepara-
tion of a pharmaceutical composition for prevent-
ing arterial stenosis after balloon angioplasty
in a human. (Convention No. 2,079,205-1;
filed on 25/9/92; in Canada) [Divided out of No.
554/Cal/93; dated 22nd September, 1993].

671/Cal/95. Norpharmco Inc. A method for the prepara-
tion of a pharmaceutical composition for use to
prevent the narrowing of the tubular walls of a
human after the tubular walls have been trauma-
tized. (Convention No. 2,079,205-1; filed on
25/9/92; in Canada). [Divided out of No.
554/Cal/93; dated 22nd September, 1993].

672/Cal/95. M.B.T. Co. Ltd. A forward-dive apparatus for a Bicycle. (Convention No. 94-13391; filed on 14/6/94; in Korea).

673/Cal/95. J Vogel Premium Water Company. Water purification and Dispensing system. (Convention No. 08/272784; filed on 08/272784; in U.S.A.).

14-06-95

674/Cal/95. Eli Lilly and Company. Preparation of stable zinc insulin analog crystals. (Convention No. 08/260,647; filed on 16/6/94; in U.S.A.).

675/Cal/95. Eli Lilly and Company. Insulin analog formulations. (Convention No. 08/260,634; filed on 16/6/94; in U.S.A.).

676/Cal/95. E. I. Du Pont De Nemours and Company. A process for making electroless plated aramid surfaces. (Convention No. 261,074; filed on 16/6/94; in U.S.A.).

677/Cal/95. Eli Lilly and Company. Monomeric insulin analog formulations. (Convention No. 08/260,633; filed on 16/6/94; in U.S.A.).

678/Cal/95. Thomson Tubes & Displays, S.A. Deflection yoke with reduced raster distortion.

679/Cal/95. Del Monte Corporation. Constant Fusing Pressure thermoplastic lid sealing apparatus and method. (Convention No. 08/260191; filed on 15/6/94; in U.S.A.).

15-06-1995.

680/Cal/95. D K Electricals, Locking device for locking stationary vehicles.

681/Cal/95. Pepsico, Inc. Rib for Plastic container.

682/Cal/95. Thomson Multimedia S.A. Transport processor interface and video recorder/playback apparatus in a field structured Datastream Suitable for Conveying Television information. (Convention No. 9413169.5; filed on 30/6/94; in Great Britain).

683/Cal/95. Thomson Multimedia S.A. Transport processor in a field structured packetized datastream suitable for conveying television information. (Convention No. 9413169.5; filed on 30/6/94; in Great Britain).

684/Cal/95. McNeil-PPC, Inc. Method of reducing the coefficient of friction of absorbent products and wax coated products produced thereby. (Convention No. 08/265,345; filed on 24/6/94; in U.S.A.).

685/Cal/95. Flowind Corporation. Vertical Axis Wind Turbine with blade tensioner. (Convention No. 08/262476; filed on 20/06/94; in U.S.A.).

686/Cal/95. Insight Medical Corporation. Urethral Cap.

687/Cal/95. L. D. & A. D. Macey P/L. Plug/Connector moulding system. (Convention No. PM6313; dated 17/06/94; in Australia).

688/Cal/95. LA Trobe University. and Nufarm Limited. (ACN 004 377 780). (Convention Nos. PM6313; PM6876; filed on 17/6/94; 15/7/94; in Australia).

689/Cal/95. Narendra Kumar Sharma. An improved input circuit for higher sensitivity of TV-signal booster;

16-06-1995.

690/Cal/95. Rileys Limited. Process of manufacture of wired coir brushmats/door mats using coir wire grid and insertion of coir fibre rods made out of different materials in different colours. (Convention No. 10667; filed on 17/06/94; in Sri Lanka).

691/Cal/95. Hoechst Celanese Corporation. Improvement of color control & Stability in Acetaminophen. (Divided out of No. 223/Cal/94; antedated to 4/4/94).

692/Cal/95. Hoechst Celanese Corporation. Improvement of color control & Stability in Acetaminophen. (Divided of No. 223/Cal/94; antedated to 4/4/94).

693/Cal/95. Staedtler & Uhl. A needle for a needle bar or rod for textile combing machines, and a needle bar with such needles, as well as a method for attaching or replacing an outfit of such needles. (Convention No. P4422955.0; filed on 30/6/94; in Germany).

694/Cal/95. Hoechst Aktiengesellschaft. Process for dyeing aminated cellulose/polyester blend fabric with fibre-reactive disperse dyestuffs. (Convention No. P4422707.8; filed on 29/6/94; in Germany).

19-06-1995.

695/Cal/95. Dr. Dipak Sarkar & Smt. Asha Lata Sarkar. Anjali Aqua.

696/Cal/95. John Nicholas. Basic Improvements for an incinerator system. (Divided out of No. 884/Cal/90; dated 17/10/1990).

697/Cal/95. Spherilene S.p.A. Ethylene Copolymers, Process for the preparation of ethylene-based polymers and catalyst system used therein.

698/Cal/95. Hoechst Aktiengesellschaft. Triphendioxazine reactive dyestuffs. (Convention No. P4428960.5; on 16/8/94; in Germany).

699/Cal/95. Orthovita, Inc. Bioactive granules for bone tissues formation. (Convention No. 08/268,510; on June 30, 1994; in U.S.A.).

700/Cal/95. Engelhard Corporation. Improved process for the purification of aromatic polycarboxylic acids. (Convention No. 08/360855; on 20/12/94; in U.S.A.).

701/Cal/95. Engelhard Corporation. Cationically stabilized slurries of calcined kaolin clay. (Convention No. 08/325,724; on 19/10/95; in U.S.A.).

702/Cal/95. Engelhard DeMeerm B. V. Process for the hydrogenation of unsaturated fatty acids and catalyst suitable for said process. (Convention No. 94201964.7; on 7/7/94; in Europe (EPO)).

20-06-1995.

703/Cal/95. Victor Company of Japan, Ltd. Method and apparatus for recording an information signal on a disk-shaped recording medium.

704/Cal/95. Cheng-Hui Wang. Structure of key cap.

705/Cal/95. Krone Aktiengesellschaft. Protection plug. (Convention No. P4437122.5; filed on 1/10/94; in Germany).

706/Cal/95. Lyondell Petrochemical Company. Wetttable Polyolefin fibre compositions and method. (Convention Nos. 08/273,276; 08/423,528; dated 12/7/94; 17/4/95; in U. S. A.).

707/Cal/95. Hindustan Development Corporation Ltd. An improved method of producing wear Resistant steel members used in Rail.

708/Cal/95. Yamaha Hatsudoki Kabushiki Kaisha. Super-charged engine.

20-06-1995

709/Cal/95. Steven Bradford Greene, and Peter Edward Paul Murphy. System for collecting data Concerning received transmitted material. (Convention No. 9412440.1; on 21/06/94; in U.K.).

22-06-1995.

- 710/Cal/95. Aromascan Plc. Semiconducting organic polymers. (Convention No. 9412632.3; on 23/06/94; in U. K.).
- 711/Cal/95. Aromascan Plc. Semiconducting organic polymers. (Convention No. 9412633.1; on 23/06/94; in U.K.).
- 712/Cal/95. Cytotherapeutics, Inc. Microdrive for use in Stereotactic surgery. (Convention No. 08/265,242; filed on 24/06/94; in U.S.A.).
- 713/Cal/95. Michael James Schlitt. Indwelling catheter (Convention No. 08/266,297; filed on 27/6/94; in U.S.A.).
- 714/Cal/95. Thomson Tubes & Displays S. A. A deflection yoke attachment arrangement.
- 715/Cal/95. Thomson Tubes & Displays, S.A. A deflection yoke liner with support ridges.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice, or within one month of its date as prescribed in Rule-36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta or the appropriate Branch Office on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by two to get the charges as the copying charges per page are Rs. 2/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार(4) महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र को उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथाविहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अंतरराष्ट्रीय वर्गीकरण के अनुरूप हैं।”

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार, जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या को एक एक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों में जोड़कर उसे 2 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का संतुलन किया जा सकता है।

Ind. Cl.: 155 A.

175741

Int. Cl.: D06M 11/00, 13/00, 15/00.

FLUID COATING APPARATUS.

Applicant: ACUMETER LABORATORIES, INC. 34 SIMARANO DRIVE MARLBOROUGH, MASSACHUSETTS U.S.A. A MASSACHUSETTS CORPORATION.

Inventor(s): FREDERIC SEXTON MCINTYRE.

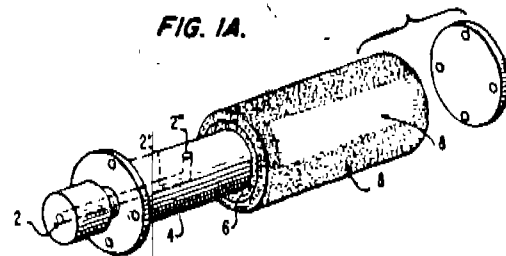
Application for Patent No. 812/DEL/86 filed on 15 September 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

9 Claims

Fluid coating apparatus having, in combination, means for continuously or intermittently pumping the coating fluid along a longitudinally extending conduit ending in an opening adjusted for transversely exiting the fluid, a cylindrical annular reservoir volume enveloping the conduit and its opening for receiving the exited fluid, a cylindrical porous shell externally bounding the cylindrical reservoir to constitute a fluid dispensing roll, said conduit and its fluid exiting opening and the roll being relatively rotatable by any known means to cylindrically distribute the exited fluid along the reservoir volume, and means for applying the fluid dispensed through the porous shell to web means drawn transversely past the roll.

FIG. 1A.



(Comp. Specn. 16 pages and Drwg. sheets 6).

Ind. Cl.: 6 A

175742

Int. Cl.: F 24 F 1/00.

ELECTRIC FAN APPARATUS.

Applicant: YOUNG-JUN AHN, A CITIZEN OF KOREA, HAVING AN ADDRESS OF 78-7, DANGJE-ONG-DONG, KUMPO-SI, KYUNGGI-DO, REPUBLIC OF KOREA.

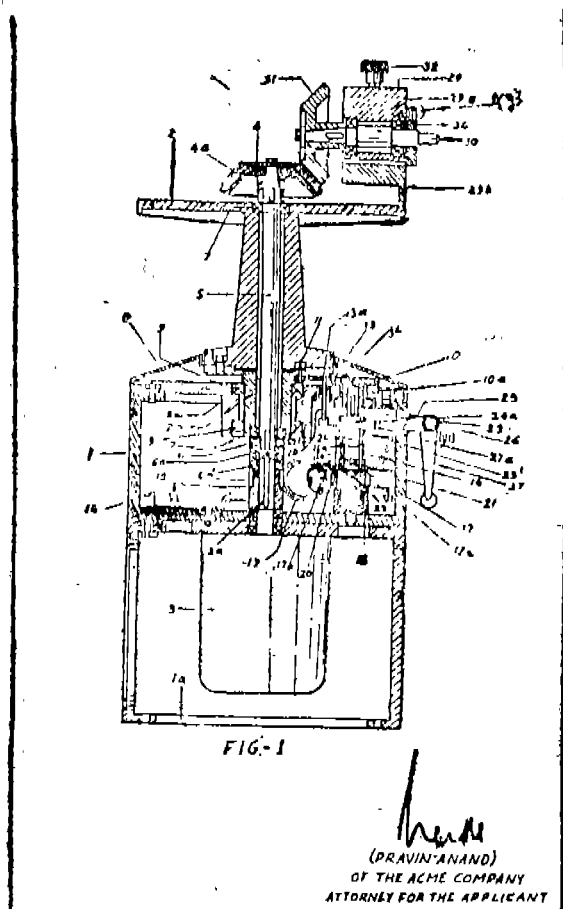
Inventor: SOON-SUK AHN.

Application for Patent No. 20/Del/88 filed on 12 January 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

7 Claims

An electric fan apparatus comprising a housing having a rotatable hub member provided in the central portion thereof and surrounded with a bearing housing having a pair of bearings supporting said hub member; a vertical main shaft connected to a motor shaft via coupling; a rotary member connected to said hub member; a plurality of fan spindles equally disposed on said rotary member, and supported by a plurality of bearings in respective bearing housings; a base member supporting said apparatus; a column vertically fixed on the central portion of said base member; a stem member movably inserted into said column; a tilting device connected between the bottom plate of said housing and the top end portion of said stem member; cooperating means between said coupling fixed to said motor shaft and a worm wheel shaft arranged in said housing; a clutch mechanism selectively engaging between said worm wheel shaft and a crank device for angularly moving said rotary member; and connecting means transmitting motion between said main shaft and said fan spindles being mounted with a plurality of fan impellers for sending the wind in all directions, e.g. 360 degrees.



(Comp. Specn. 18 pages;

Drwg. 5 sheets)

Ind. Cl.: 74,

175743

Int. Cl. 4: D04H. 1/00, 1/06, 1/16, 1/52,

5/00, 13/00, 13/02.

NONWOVEN FABRIC AND METHOD OF MANUFACTURE OF THE SAME.

Applicant: LEONARD ROBERT LEFKOWITZ, A BRITISH CITIZEN OF 14 ALPINE DRIVE, LATHAM, NEW YORK 12100, UNITED STATES OF AMERICA.

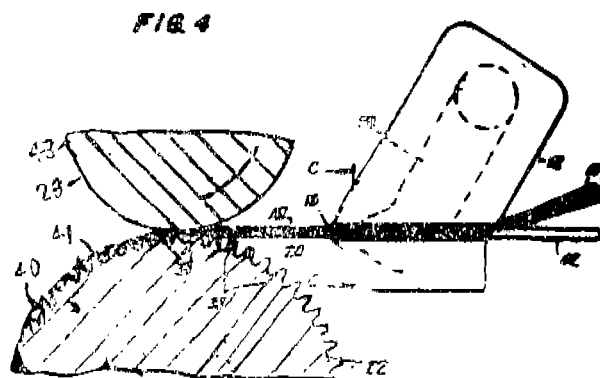
Inventors: LEONARD ROBERT LEFKOWITZ.

Application for Patent No. 232/DEL/88 filed on 22 March 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

15 Claims

A nonwoven fabric comprising spaced apart linear yarns extending substantially in given plane and in a common direction and polymeric matrix material interconnecting and at least partially encapsulating each of said yarns, wherein the polymeric matrix material exists as a single layer and has regularly spaced apertures therein in laterally offset disposition relative to the yarns and extending through the fabric.



(Comp. Specn. 26 pages;

Drwg. 4 sheets)

Ind. Cl.: 32 F 2 C

175744

Int. Cl.: C 07 C, 121/32, 120/14.

A PROCESS FOR THE AMMOXIDATION OF A PARAFFIN.

Applicant: THE STANDARD OIL COMPANY, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF 200 PUBLIC SQUARE, CLEVELAND, OHIO 44114-2375, UNITED STATES OF AMERICA.

Inventors: ANDREW TYTUS GUTTMANN, JAMES FRANK BRAZDIL & ROBERT KARL GRASSELLI.

Application No. 313/Del/88 filed on 13-4-88.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

10 Claims

A process for the ammoxidation of a paraffin selected from propanes and isobutane to make acrylonitrile or methacrylonitrile by the catalytic vapor phase reaction of such a paraffin in admixture with oxygen and ammonia by contact with a complex metal oxide catalyst which is essentially free of bismuth, and has the elements and the proportions which are represented by the following empirical formula $VSb_mA_xO_n^1$ where A is one or more of W, Sn, B Mo and Ge; and where m is greater than 1 and up to 20; a is 0.2—10; a is equal to or less than m; where x is determined by oxidation state of the other elements present, and wherein the antimony has an average valency higher than +3 and the vanadium has an average valency lower than +5, wherein a includes at least

0.2 atoms of W. crystalline Sb_2O_3 is present in said catalyst, and wherein the foregoing catalyst is on an inorganic oxide support material selected from silica, alumina, titania, zirconia, silica-niobia, silica-zirconia, silica-titania, silica-alumina, Nb_2O_5 , and magnesia.

(Comp. Specn. 38 pages;

Drwg. Sheet Nil)

Ind. Cl.: 9 A

175745

Int. Cl.: C22C 1/03, 21 00 & 21 10

A PROCESS FOR THE PREPARATION OF AN IMPROVED ALUMINIUM BASED ALLOY ANODE FOR THE CATHODIC PROTECTION OF STRUCTURES SUBMERGED IN SALINE AND FRESH WATER.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors: VASUDEVASASTRI KAPALI, KUMENDUR NARAYANA SRINIVASAN, BALASUBRAMANYAN VENKATARAMAN, KRISHNASWAMY BALAKRISHNAN, KAILATHIUVAPIL ANNIRE BASU.

Application for Patent No. 370/Del/88 filed on 28 April 1988.

Complete Specification left on 28 July 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

4 Claims

A process for the preparation of an improved aluminium based alloy anode for the cathodic protection of structures submerged in saline and fresh water which comprises adding a master alloy of zinc and indium having 98.03 to 99.5% by wt of zinc and 0.5% to 1.97 by wt of indium to molten aluminium of purity not less than 99.5 to 99.7%, at a temperature between 700–740°C, such that the resulting alloy have the following composition namely:

Zinc 2%–5 by wt.

Indium 0.01%–0.1% by wt.

Aluminium remainder.

and the resultant alloy is cast into desired shape and size by known methods.

(Provisional Specification 6 pages).

(Complete Specification 8 pages).

Ind. Cl.: 35 B.

175746

Int. Cl.: C04B 7/02.

A PROCESS FOR MANUFACTURE OF PORTLAND CEMENT CLINKER USING SOLID FUEL BY DOWN-DRAFT TECHNIQUE.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110 001, INDIA AND INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s): BANSIDHAR NAYAK BHASKAR VENKATA RAMANMURTHY, PARTHA SARATHI DUTTA, PRAFULLA KUMAR JENA AND DIPENDRA NARAYAN DEY.

Application for Patent No. 1135 DEL 88 filed on 21 Dec 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

4 Claims

A process for the manufacture of portland cement clinker using solid fuels by down draft technique which comprises preparation of raw/charge mix by grinding raw materials consisting of lime stone fines from mine quarries, clay and solid fuel fines such as coke breeze coal, granulating the ground charge mix in presence of water and heating/sintering the charge by down draft sintering technique at a temperature ranging from 900 to 1450°C and with a suction pressure of 500 to 900 mm wg.

(Complete specification 7 pages.)

Ind. Cl.: 39G.

175747

Int. Cl.: C01D, 3/12.

AN IMPROVED ELECTROCHEMICAL PROCESS FOR THE PRODUCTION OF POTASSIUM IODATE.

Applicant: COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI 1860).

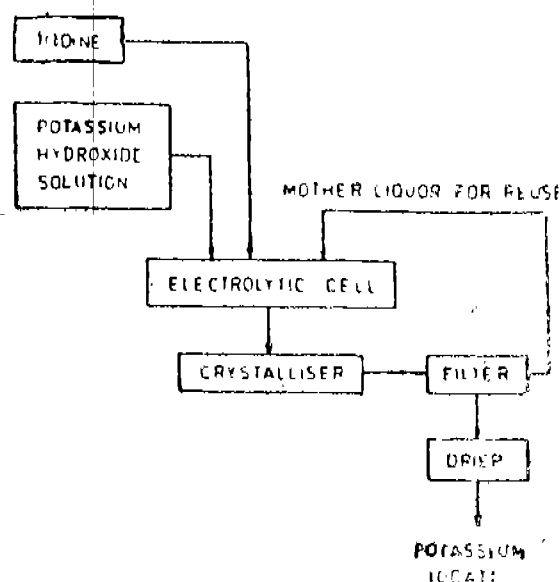
Inventors: KRISHNA MOORTHY JAYRAMAN, SIVAPARAKASAM BALAGOPALAN, SUNDARAN KRISHNA MURTHI, KARUPPIAH FIJANBARAM, SANKARANARAYANAN CHIDAMBARAM, KAILATHUVALAPPIL ANNIRE VASU.

Application for Patent No. 107/DEL/89 filed on 6 FEB 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi 110005.)

2 Claims

An improved electrochemical process for the production of potassium iodate which comprises oxidising iodine, electrochemically, contained in an electrolyte of potassium hydroxide being circulated through a gap between an anode of titanium substrate insoluble anode (TSA) and a cathode of a stainless steel, at current densities ranging from 15 to 30 Amps/dm² and a cell voltage varying between 2.5 to 3.5 volts, recovering potassium iodate by known methods and recycling the filtrate.



(Complete Specification 7 Pages & Drawing Sheets-1)

Ind. Cl. : 97 B

175748

Int. Cl. : HO 5B 7/085

A PROCESS AND APPARATUS FOR TREATING HIGH SULFUR PETROLEUM COKE PARTICLES TO PRODUCE IMPROVED COKE PARTICLES FOR USE IN THE MANUFACTURE OF CARBON AND GRAPHITIC ARTICLES.

Applicant : UNION CARBIDE CORPORATION AT 39 OLD RIDGEBURY ROAD, DANBURY, STATE OF CONNECTICUT, 06817, UNITED STATES OF AMERICA.

Inventors : THOMAS HARRY ORAC, HERBERT CLAYTON QUANDT, DAVID RALPH BALL.

Application for Patent No. 648 DEL 89 filed on 24-7-89.

Appropriate office for filing opposition proceedings (Rule 4, 1972), Patent Office Branch, Karol Bagh, Delhi-110005.

15 Claims

A process for treating high sulfur petroleum coke particles to produce improved coke particles for use in the manufacture of carbon and graphite articles such as here in described which comprises :

reacting said petroleum coke particles in the absence of a binder with a compound containing an alkali metal selected from the group consisting of sodium and potassium at an evaluated temperature of between 750°C. 1500°C which above that at which said compound begins to react with carbon but below the temperature at which said coke particles would begin to puff in the absence of said compound;

maintaining said coke particles and said compound at said elevated temperature for a sufficient period of time to permit the reaction to proceed and to allow products of the reaction to penetrate said coke particles and form a sodium or potassium containing deposit throughout the mass of said particles;

and

cooling the so-treated coke particles.

(Complete Specification 33 Pages Drawing Sheets 17).

Ind. Cl. 32 E

175749

Int. Cl. : A 01 N, 25/10, 25/26

AN IMPROVED PROCESS FOR THE PREPARATION OF A PESTICIDAL COMPOSITION BASED ON POLYMERS USEFUL FOR CONTROLLER RELEASE OF PESTICIDES IN AQUATIC HABITATS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-1, INDIA

Inventors : SANJAY MALIK, SAMINDRA NATH MUKHERJEE AND RAVINDRA NATH SHARMA

Application for Patent No. 448/DEL/90 FILED ON 11 MAY 1990.

Complete specification left after provisional Specification on 02 AUG 1991.

Appropriate office for opposition proceeding (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

10 Claims

An improved process for the preparation of a pesticide composition based on polymers useful for the controller release of pesticides to aquatic habitats which comprises mixing a vinyl monomer with 0.03% to 0.5% pesticide, polymerising the mixture by conventional methods and moulding the resulting polymer into a desired shape, depending on the rate of release of the pesticide desired, by conventional methods.

(Provisional Specification 5 Pages, Drawing Sheet Nil)

(Complete Specification 12 Pages, Drawing Sheet Nil)

ID. CL. : 32 F2C

175750

Int. Cl. : C 07 C, 39/14

AN IMPROVED PROCESS FOR THE PREPARATION OF 5, 8-DIHYDRO-1-NAPHTHOL.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-1, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XI OF 1860)

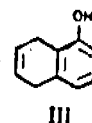
Inventors ALLA VENKATA RAMARAO, MUKUND KESHAO GURDAR, SHEERANG VIDYADHAR JOSHI & SYAMALA SIMHADRI.

Application for Patent No. 1272/Del/90 filed on 18 Dec 1990.

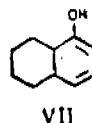
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

An improved process for the preparation of 5, 8-dihydro-1-naphthol of the formula III of the drawing accompanying



this specification which comprises reducing 1-naphthol of the formula II in the presence of alkyl amine and an alkali metal in 2 to 3 equivalents at a temperature in the range of 0°C to room temperature to produce a mixture of 5, 8-dihydro-1-naphthol of the formula III and 5, 6, 7, 8-tetrahydro-1-naphthol of the formula VII.



and separating the compounds by conventional column chromatography methods to obtain compound of the formula III.

(Complete Specification 7 Pages, Drawing Sheet One)

Ind. Cl. : 77 D

175751

Int. Cl. : C 11 B - 3/12, 3/14
C 11 C - 1/08, 1/10

AN IMPROVED PROCESS FOR DISTILLATION AND DEODORISATION OF FATS AND FATTY ACIDS.

Applicant : PANCHAL MULSHANKAR SABURBHAI 8, NAVDURGA HOUSING SOCIETY

Inventor PENSION PURA ROAD, NIZAMPURA POST FATEGUNJ, BARODA-390 002 GUJARAT, INDIA AN INDIAN NATIONAL.

Application with Provisional Specification No. 205/BOM/1990 FILED on 07-08-1990.

Complete After Provisional Left on 25-07-1991.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1970) Patent Office Branch, Bombay-400013.

11 Claims

An improved process of distillation and deodorisation of oils, fats or fatty acids comprising the step of first pre-heating a feedstock of oils, fats or fatty acids through a final stage heat exchange means (90) in an improved distiller/deodorizer vessel (10); the step of further preheating the feedstock in an external heat exchanger apparatus (20);

the step of cascading the feedstock/is carried out in a series of processing tray members (80), achieving a shallow weir waterfall effect at each cascade by the formation of a concentric cross flow.

the step of cooling the feedstock at the final stage heat exchange means (90) in the improved distiller/deodoriser vessel (10), without intermixing; the step of recovering any fatty matter in the issuing vapours from the distiller/deodoriser vessel (10) by exiting the vapour through a perforated ring member (71) into a liquid sump (72) in an improved vapour scrubber vessel (30); and the step of moving the feedstock under the influence of balanced vacuum (70) attached to the ends of the improved distiller/deodoriser vessel (10);

Provisional specification - 08 pages;
Complete specification 17 pages

Drawings - Nil
Drawings - 05 sheets.

Ind. Cl. : 23 E,B,H, G [XL(3)]

175752

Ind. Cl. : B65 D-5/00, 5,10

AN IMPROVED CARTON.

Applicants : HAWKING COOKERS LTD, OF F-101 MAKER TOWERS, CUFFE PARADE, BOMBAY-400 005, MAHARASHTRA, INDIA, AN INDIAN COMPANY.

Inventor : NARANAMALPURAM SANKARAN SUBRAMANIAN.

Application for Patent No. 320 BOM 91 FILED ON 28-10-91.

Appropriate Office for opposition proceedings (Rule 4, Patents Rule 1972) Patent Office, Bombay Branch.

3 Claims

An improved carton having a box-like structure with flaps extending from its sides to form the top as well as the bottom surfaces of said carton, said flaps forming the top surface of said carton comprising a pair of major flaps disposed opposite to each other characterised in that each of the said major flaps of said top surface have a tab extending outwardly from each of the sides, the junction of each of the minor flaps with the respective sides of said carton being provided with corresponding slots for releasable insertion of said tabs into said slots to close said carton top surface.

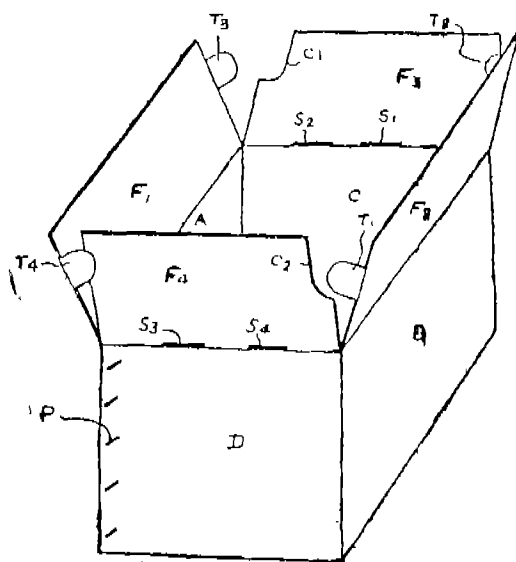


FIG. 1

(Comp. Specn. : 09 pages

Drwg : 01 Sheet.

Ind. Cl. : 101 H, Gr. [XXVIII (2)]

175753

Int. Cl. : E 02B-7/40

AN AUTOMATIC OPENING AND CLOSING GATE FOR USE IN WATER OR SPILLWAY OF DAM, WATER STORAGE RESERVOIR, RIVER, CANAL AND THE LIKE, TO MAINTAIN A DESIRED UPSTREAM WATER LEVEL.

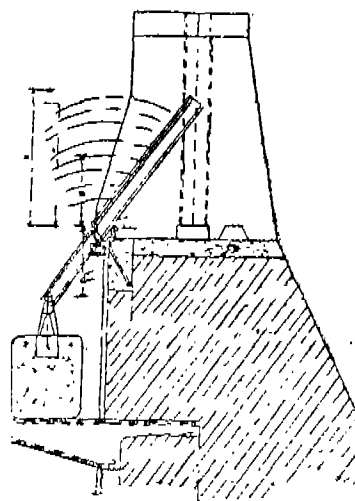
Applicants & Inventor : ARUN SHANKARRAO YADAV ABHAY VILLA : AMBARAI, BARAMATI, DIST : PUNE, PIN-413 102, MAHARASHTRA, INDIA, AN INDIAN NATIONAL.

Application No. 54 BOM 92 FILED ON 18-02-92.

Appropriate Office for opposition Proceedings (Rule 4 Patents Rules 1972) Patent Office, Bombay Branch.

6 Claims

An automatic opening and closing gate for use in wier or a spillway of dam, water storage reservoir, river, canal and the like, to maintain a desired upstream water level, comprising a gate leaf hinged in between a pair of spaced apart piers of the said wier or the spillway, the said gate leaf consisting of a rectangular or a square ductile plate rigidly fixed over a frame for reinforcement, the said frame consisting of a plurality of spaced apart horizontal and vertical members, a M.S. angle fixed across the said pair of piers at the bottom level of the said gate leaf, a resilient sealing means such as rubber being fixed to the said M. S. angle, each of the outermost vertical members at the two sides of the said frame being provided with a spring clip or a rubber pad to prevent any water leakage from the sides of the said gate leaf, plurality of spaced apart hinges being fixed at the top of the foundation of the said piers for hingedly connecting the said gate leaf, the said vertical members of the frame being extended downward below the said ductile plate, a bar being provided to interconnect the free ends of the said extended vertical members a counter/balance weight being hanged from the said bar with the help of a plurality of spaced apart links, a curved plate being provided at the bottom end of the said ductile plate the free end of the said curved plate being engaged with the said resilient sealing means fixed to the said M. S. angle provided at the top level of pier foundation, a plurality of spaced apart supports being provided at the upstream side of the wier projecting out from the foundation of the said piers for supporting the said counter balance weight in the inclined close position of the said gate leaf.



(Comp. Specn. : 11 pages

Drwg. : 02 sheets)

Ind. Cl. : 172 F [XXV]

175754-

Int. Cl. : G01 N 33/36 D 06 H-3, 08

AN IMPROVED APPARATUS FOR THE DIGITAL ANALYSIS OF PERIODIC MASS VARIATIONS IN TEXTILE FIBRE ASSEMBLIES.

Applicants : M/S. STAR PRECISION ELECTRONICS (INDIA) LTD. OF 78,2 G.I.D.C., MAKARPURA, BARODA-390 010 GUJARAT, INDIA, AN INDIAN COMPANY.

Inventors : (1) MR. ROHIT MANHARLAL MEHTA
(2) MR. SUBHASH SAKHARAM NAIK
(3) MR. PREM PAL SINGH ARYA

Application No. 277/Bom/1993 Filed on 3-9-1993

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch Bombay-13.

3 Claims.

An improved apparatus for analysis of periodic mass variations in textile fibre assemblies comprising of a low-pass filter, and a fast A/D converter, an IBM compatible P.C. and software for performing discrete fourier transform analysis of periodic mass variations in textile fibre assemblies in the form of normal bar spectrogram.

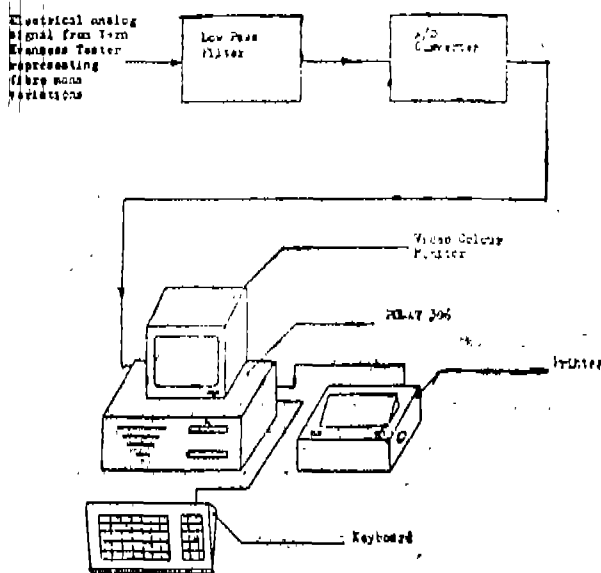


Fig. 1

(Complete specification—9 pages;

Drwgn. 4 sheets).

Ind. Cl. : 170D, Gr. [XLIII (4)]

175755-

Int. Cl. : C 11 D 1/94

CONCENTRATED DETERGENT POWDER COMPOSITIONS.

Applicants : HINDUSTAN LEVER LIMITED, OF HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, BOMBAY 400-020, MAHARASHTRA, INDIA, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913.

Inventor : (1) RUDOLF JOHAN MARTENS (2) TON SWARTHOFF (3) MARTEN ROBERT P. VAN VLIET.

Patent Application No. 123/Bom/92 filed on 16-04-92

G. B. Priority dated 17-04-91.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi.

11 Claims

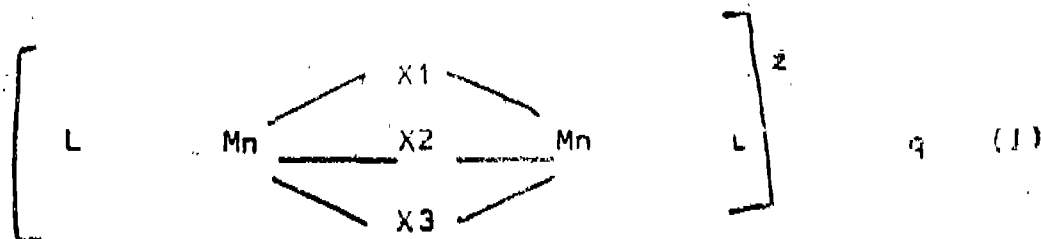
A concentrated detergent powder composition having a bulk density of above 600 g/l, preferably at least 610 g/l, comprising :

(a) from 10 to 50%, preferably from 15 to 40% by weight, of a surface-active agent, selected from the group consisting of anionic, nonionic, cationic and amphoteric surfactants, and mixtures thereof;

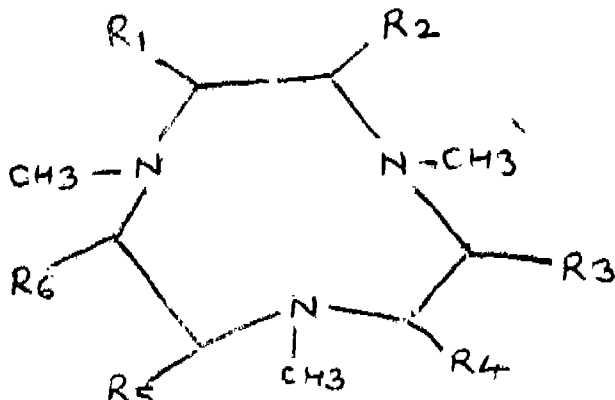
(b) from 15 to 80%, preferably from 20 to 70% by weight, of a detergency builder or builder mixture;

(c) from 0 to 10%, preferably from 0.001 to 10% by weight of an enzyme;

(d) from 5 to 35%, preferably from 10 to 25% by weight, of a peroxygen compound, characterised in that the composition further contains from 0.0005 to 0.12%, preferably from 0.001 to 0.05% by weight, of manganese in the form of a manganese complex as bleach catalyst of the following formula :



wherein Mn is manganese, which can be either in the II, III or IV oxidation state; X^1 , X^2 and X^3 represent a bridging species selected from O, O_2 , HO_2 , OH, $ROCOO$ and $RCOO$ ions and mixtures thereof, with R being H, C_1 - C_4 alkyl; z denotes the charge of the complex which can be positive or negative. If z is positive, Y is a counter-anion species Cl^- , Br^- , I^- , NO_3^- , ClO_4^- , NC^- , PF_6^- , SO_3^- , RSC_4^- or OAC^- , wherein R can be H or C_1 - C_4 alkyl; if z is negative, Y is a cation which can be an alkali metal, alkaline earth metal or (alkyl) ammonium cation; q = z/charge Y; and L is ligand which is an organic compound selected from N, N', 19"-trimethyl-triazacyclononane (Me=TACN) and its carbon-substituted derivatives having the formula :



wherein R^1 - R_6 can each be hydrogen or a C_1 - C_4 alkyl group.

Compl. specn. 27 pages.

Drgs. Nil.

Ind. Cl. 20 B [XLII (2)]

175756

Int. Cl. : G 09 B-1/40

A READY RECKONER.

Applicant & Inventor : SHRI HARMAHENDRA SINGH BAGGA S/O SHRI HAKAM SINGH BAGGA AT 82, PRATAP SINGH BAGGA INDORE 452 004 (M. P.) INDIAN.

Application No. : 142/Bom/1992 Filed on 4-5-1992

Complete after provisional left on 27-10-192.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Bombay-40013.

2 Claims

A ready reckoner for books containing only alphabetically arranged words such as dictionaries and directories which consists of reference gate as defined in specification which is affixed on top of the book next to the binding page, and also includes reference sections reference bands (and reference numbers as discussed in the specification which are incorporated along the thickness of the book along its length side on.

Provisional specification 6 pages;

Drawings nil

Complete specification 22 pages;

Drawings 10 sheets.

Ind. Cl. : 126 A GR. [LVIII(6)]
89 GD [XLI(6)]

175757

Int. Cl. : G 01 R-33/00

"AN EQUIPMENT FOR AUTOMATICALLY DETECTING THE DEFECTS AND DURABLY MARKING THEM BY MEANS OF MAGNETIC PARTICLES ON FERRO MAGNETIC MATERIALS".

Applicant & Inventor : NITIN KRISHNA BHAVE, 107/ 8, BHARATI NIVAS SOCIETY ERANDAVANE, PUNE 411 004, MAHARASHTRA STATE, INDIA. A SUBJECT OF THE REPUBLIC OF INDIA.

Application No. 161/Bom/92 filed on 18-05-92.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Bombay.

1 Claim

The equipment for automatically detecting the defects and durably marking them by means of magnetic particles on ferro magnetic materials comprising a material transfer module consisting of stationary 'V' type notch blocks, after ruled by another set of blocks which are capable of moving with the help of transfer of material mechanism the said module consisting of clamping means for magnetizing the material to be tested, magnetic bath solution spray means to cover the entire surface of the article under testing and the excess solution being recycled, a drying module with the help of air blowers for drying the article and means to transfer the article under test to the next station to carry out the inspection by the inspection department.

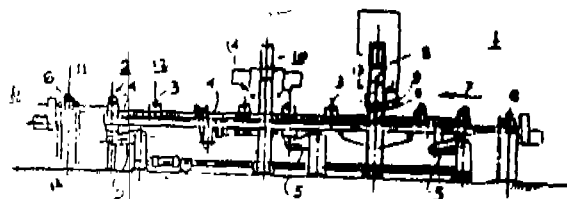


Fig-2

Comp. Specn : 5 Pages

Drg. Sheets : One

Ind. Cl. : 189 Gr. [LXVI (9)]

175758

Int. Cl. : A 61 K-7/16

LIQUID DENTIFRICE CONTAINING A PARTICULATE ABRASIVE MATERIAL.

Applicants : HINDUSTAN LEVER LIMITED, A COMPANY INCORPORATED UNDER THE LAWS OF INDIA, OF HINDUSTAN LEVER HOUSE, 165-166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventor : PETER LEONARD DAWSON.

Application for Patent No. 181/Bom/92 filed on 03-06-92.

G. B. Priority date 04-06-91.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Bombay-40013.

3 Claims

A liquid dentifrice, containing a particulate abrasive material of the chalk-type stable suspended in an aqueous liquid vehicle with the aid of a polysaccharide gum as suspending agent, wherein the liquid dentifrice contains more than 20% by weight of the chalk-type abrasive material, and from 0.1-10% by weight of an alkalimetal bicarbonate.

Comp. Specn. 10 pages.

Drgs. Nil.

Inventors : (1) BERNHARD FROHLICH (2) WERNER MILDENBERGER (3) SIEGFRIED HANEMANN.

Application No. 399/Cal/90 filed on 17th May, 1990.

Appropriate office for opposition proceeding Rule 4, Patents Rules 1972, Patent Office Branch, Calcutta.

9 Claims

A device for operating a magnetically driven vibrating conveyor comprising a free mass (mf) and a working mass (mA), an electromagnetic drive (1) couple between said masses for vibrating said masses, said electromagnetic drive (1) powered by a source of alternating voltage for vibrating said masses (mf, mA) in accordance with a constant drive/excitation frequency characterized in that, an actual value transmitter/pickup (2) is disposed between said masses (mf, mA) for producing a pickup signal having a value representing the actual vibration amplitude of said masses connected to said transmitter/pickup is a comparator determining the deviation in amplitude from the target or desired value of vibration amplitude of said masses, and thereby influencing the energy supplying to said electromagnetic drive(1), and control means having an input connected to the output said comparator and an output connected to said electromagnetic drive for controlling the vibration amplitude of said masses to a predetermined value, wherein the mass of said free mass is matched with the mass of said working mass so that the natural frequency of said vibrating conveyor is equal to the excitation/drive frequency of said vibrating conveyor under maximum load.

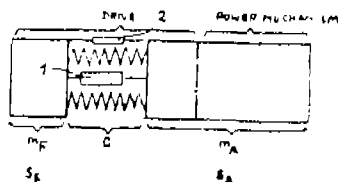


Fig 1a

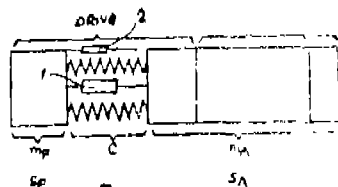
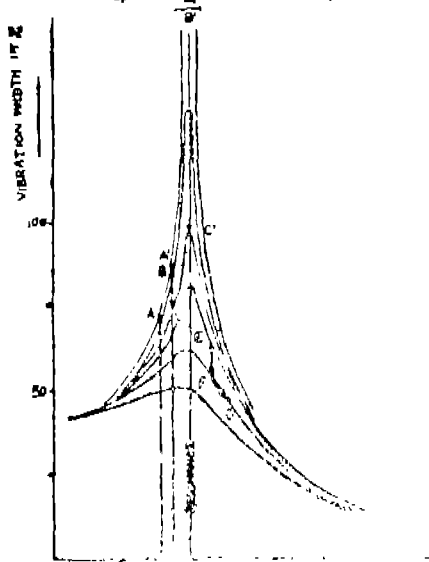


Fig 1b



Compl. Spcch. : 16 Pages

Drgns : 1 Sheet

Cl. 32 E + 40 A.

175764

Int. Cl. C 08 F 1/22, 10/00, 10/02, 10/06, 10/08, 10/14,

"PROCESS FOR POLYMERIZING OLEFINIC COMPOUNDS".

Applicant : PHILLIPS PETROLEUM COMPANY, OF BARTLESVILLE, STATE OF OKLAHOMA, UNITED STATES OF AMERICA.

Inventor : WILLIAM KEVIN REAGEN.

Application No. 648/Cal/1990 filed on 31st July, 1990.

Appropriate office for opposition Proceedings, (Rule 4, Patent rule 1972) Patent Office, Calcutta.

12 claims.

A process for polymerizing an olefinic compound to obtain a polymer thereof which comprises polymerizing an olefinic compound having a 2 to 30 carbon atoms in the presence of a polymerization catalyst as known *per se* containing chromium, titanium or vanadium, and a cocatalyst, and, optionally, in the presence of hydrogen, wherein said cocatalyst is prepared by reacting :

- a chromic or chromous salt as herein described;
- a metal pyrrolide or such substituted pyrrolide, and
- an ether

to prepare a chromium pyrrolide, contacting said chromium pyrrolide with an aromatic compound and a Lewis acid in an amount sufficient to activate said pyrrolide, and, optionally, said cocatalyst being supported on an inorganic oxide.

Compl. specn. 66 pages.

Drgns. 6 sheets.

Cl. : 71 G

175765

Int. Cl. E 21 C, 47/00

"GUIDANCE MEANS/DEVICE OF AN EXCAVATOR BUCKET-WHEEL FOR GENERATING PREDETERMINED SURFACES".

Applicant : (1) SIEMENS AKTIENGESELLSCHAFT, OF WITTELSBACHERPLATZ 2 D-8000 MÜNCHEN 2; WEST GERMANY (2) IBEO INGENIEURBUERO FUER ELEKTRONIK UND OPTIK J HIPP + G. BROEHAN OF FAHRENKROEN 121, D-22179 HAMBURG, GERMANY; (3) RHEINBRAUN AKTIENGESELLSCHAFT OF POSTFACH 410840, D-50868 KOELN, WEST GERMANY.

Inventors : (1) HANS-JOERG NUESSELIN, (2) FRANZ-JOSEF HARTLIFE (3) JOHANN HIPP, (4) EDMUND HELMES, (5) FRANZJARNO FASBAENDER, (6) RALF ECKOLDT, (7) DIETER HENNING.

Application No. : 668/Cal/90 filed on 6th August, 1990.

Appropriate office for opposition Proceedings, (Rule 4, Patent rule 1972) Patent Office, Calcutta.

8 Claims

Guidance means/device of an excavator bucket wheel (6) for generating predetermined surface (2, 3) in open-cast mining, especially in hardcoal and brown-coal open-cast mining, by a continuous scanning of the surface exposed by the bucket wheel (6) with a radiation transmitter/receiver (8, 9) carried along by the excavator (16) and by a controlled follow-up of the bucket wheel (6) into the necessary position for generating the predetermined surface, characterized in that the radiation transmitter/receiver (8, 9) is a laser scanner (8, 9) having means to generate a pulsed laser beam and measure the course of the exposed surface (2, 3) by measurement of the distance and the angle of the

laser scanner with respect to points on the exposed surface (2, 3) and means in the form of a computer provided to measure the distance between the points and the laser scanner (8, 9) by evaluating the transit time of the pulsed laser beam.

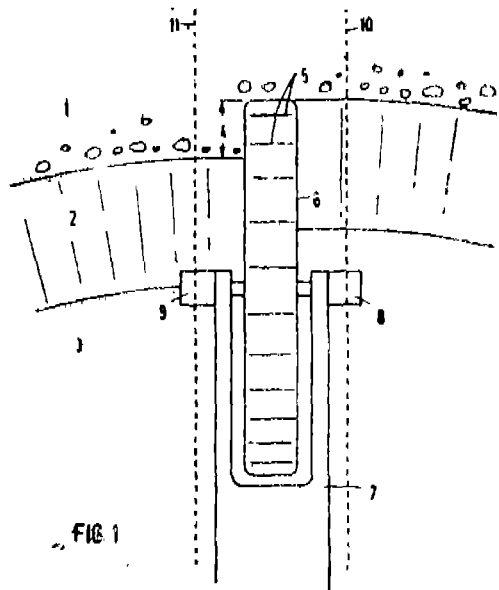


FIG 1

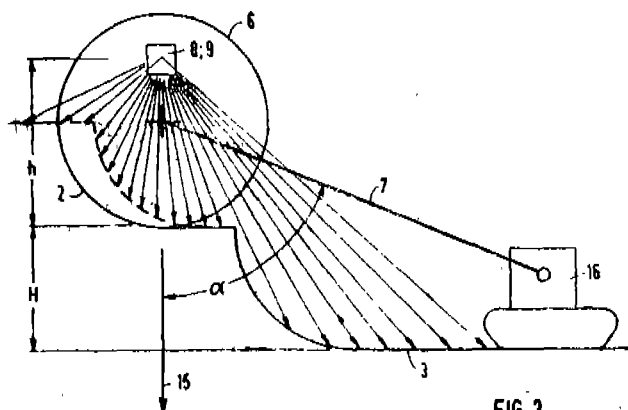


FIG 3

Compl. specn. 8 pages.

Drgns. 2 Sheets.

Cl.: 172 C 5

175766

Int. Cl.: D 01 G 15/40.

THE DEVICE FOR CONTROLLED FEEDING OF FIBER MATERIAL.

Applicant: TRUTZSCHLER GMBH & CO. KG. OF DUVENSTR. 82-92, D-4050 MONCHENGLADBACH 3, GERMANY.

Inventor: MR. FREDINAND LEIFELD.

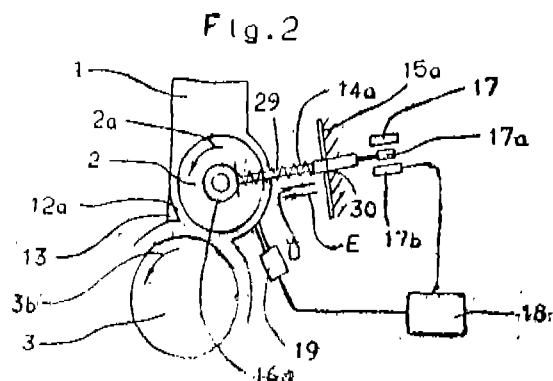
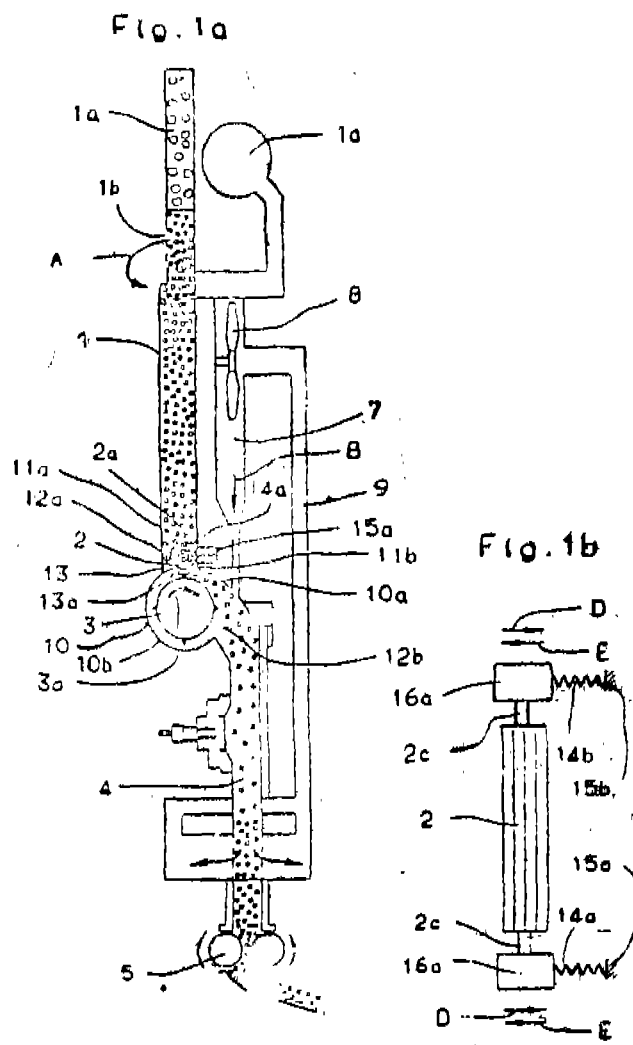
Application No. 40/Cal/1991; filed on 14th January 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule 1972), Patent Office, Calcutta.

15 Claims

The device for controlled feeding of fibre material present the flock form, eg. cotton, chemical fibres and similar other materials to the processing machine like carding machines, cards, cleaners and similar others with a fibre reserve device mouting into drafting device, eg. at least one slowly running drafting roller with a drafting bottom box with an unravelling device, e.g. a fast running opener roller

allocated to the drafting device for the acceptance of the fibre material from the drafting device and delivery of the same into a feed shaft after going away from the opener roller wherein the drafting roller (2, 2') is placed in a moveable way whereby at least one spring (14a, 14b, 21a, 21b) 23a, 25b) is provided in order to prestress the drafting roller (2, 2') against the stationary drafting bottom box (13).



Compl. Specn. 12 pages;

Drgns. 3 sheets

Cl.: 28 F

173767

Int. Cl.⁴: F 23 K 5/00.

A FITTING FOR CONNECTING ATLEAST ONE HYBRID BURNER TO A MAIN APPARATUS AND A GAS TURBINE SYSTEM HAVING THE SAME.

Applicant: SIEMENS AKTIENGESellschaft OF WITTELSBACHERPLATZ 2, D-8000, MUNCHEN 2, WEST GERMANY.

Inventor: BERNARD BECKER.

Application No. 56/Cal/1991; filed on 22nd January 1991.

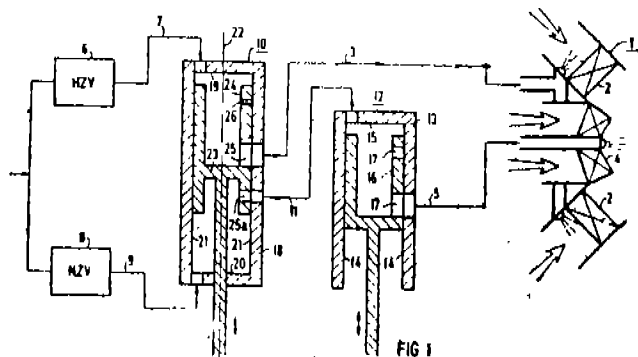
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

24 Claims

A fitting for connecting atleast one hybrid burner to a main apparatus and an auxiliary apparatus supplying fluid fuel to said burner which has a main burner operable with premixing combustion and an auxiliary burner operable alone and operable to furnish a pilot light for the main burner, said fitting comprising:

(a) a change-over element, a main feed line for communicating between said change-over element and the main supply apparatus, an auxiliary feed line for communicating between said change-over element and the auxiliary supply apparatus, a main tie line for communicating between said change-over element and the main burner, an auxiliary tie line for communicating between said change-over element and the auxiliary burner, said change-over element being operable in at least one first and at least one second switching state, in said at least one first switching state said main feed line communicating with said main tie line and said auxiliary feed line communicating with said auxiliary tie line, and in said at least one second switching state said main feed line communicating with said auxiliary tie line and said auxiliary feed line being blocked; and

(b) a switchable throttle element being connected in series with said auxiliary tie line for conducting a fuel flow, said throttle element being operable in said at least one first switching state with relatively great throttling action and in said at least one second switching state with relatively slight throttling action.



(Compl. Specn. 39 pages;

Drgns. 2 sheets)

Cl.: 32 F 3C

175768

Int. Cl.⁴: C 07 C 31/20.

A PROCESS FOR THE PREPARATION OF OPTICALLY PURE 1, 4-DIOLS.

Applicant: E.I. DU PONT DE NEMOURS AND COMPANY, AT WILMINGTON, DELAWARE, UNITED STATES OF AMERICA.

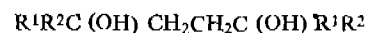
Inventor: MARK JOSEPH BURK.

Application No. 309/Cal/91 filed on 23rd April 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

10 Claims

A process for the preparation of optically active 1, 4-diols of high enantiomeric purity of the structure



wherein:

R^1 and R^2 each independently hydrogen, lower alkyl, phenyl, substituted phenyl, aralkyl, or ring-substituted aralkyl; or R^1 and R^2 together are a 4-, 5-, or 6-membered ring,

said process comprising the steps of

- dissolving and suspending β -hydroxy carboxylic acid exhibiting optical activity greater than or equal to about 90% enantiomeric excess having the formula $R^1R^2C(OH)CH_2COOH$, wherein R^1 and R^2 are as defined above, in a lower alcohol solvent such as herein described together with a catalytic alkali metal alkoxide such as herein described,
- passing through said solution or suspension at least an equivalent amount of electrical current, and
- isolating the product in a known manner.

(Compl. Specn. 13 pages;

Drgns. Nil)

Cl.: 40 H

175769

Int. Cl.⁴: C 07 C 7/08.

A METHOD OF SEPARATING AROMATICS FROM HYDROCARBON MIXTURES OF ARBITRARY AROMATICS CONTENT.

Applicant: KRUPP KOPPERS GMBH, OF ALTENDORFER STRASSE 120, D-4300 ESSEN 1, GERMANY.

Inventors:

- LUZIAN SKATULLA,
- HANS-CHRISTOPH SCHNEIDER,
- HANS-JURGEN VOLLMER.

Application No. 726/Cal/91 filed on 26th September 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

2 Claims

A method of separating aromatics from hydrocarbon mixtures of arbitrary aromatics content, which can contain especially paraffins, cycloparaffins, olefins, diolefins and organic sulphur compounds as non-aromatic constituents, by extractive distillation in which N-substituted morpholines, whose substituents have no more than seven C atoms, are used as a selective solvent, the non-aromatic constituents of the hydrocarbon mixture used as feedstock being distilled off as raffinate at the top of the extractive distillation column, while the aromatics, together with the solvent used, are withdrawn as extract from bottom of the extractive distillation column, and the raffinate being distilled in a separate raffinate distillation column for the purpose of recovering the solvent residues present therein, characterised in that, before it enters the extractive distillation column, the mixed hydrocarbon feedstock is heated to a temperature of between 130 and 150°C by indirect heat exchange with the hot solvent coming from the stripping column, the heated mixed hydrocarbon feedstock being split into a liquid and a vapour phase, which are separately introduced into this column, the point at which the vapour phase is introduced being below the point at which the liquid phase is introduced.

(Compl. Specn. 9 pages;

Drgns. 1 sheet)

Cl.: 32 B

175770

Int. Cl.: C 07 D 251/28.

A METHOD OF PREPARATION OF TRICHLOROISOCYANURIC ACID.

Applicant: INSTYTUT CHEMII PRZEMYSLOWEJ OF RYDYGIERA STR. 8, 01-793 WARSZAWA POLAND.

Inventors:

- (1) ALOJZY KLOPOTEK,
- (2) JERZY MYSZKOWSKI.
- (3) ZBIGNIEW SZTABERT.
- (4) GABRIELA DZIALA.
- (5) MARIAN ZUZIAK.
- (6) WALDEMAR GOC.
- (7) WALDEMAR PAZDZIOCH.
- (8) TOMASZ PAJER.
- (9) DARIUSZ KONASZEWSKI.

Application No. 793/CAL/1993 filed on 17 December, 1993.

Appropriate Office for Opposition Proceedings (ule 4, Patent ule 1972), Patent Office, Calcutta.

4 Claims

A method of preparation of trichloroisocyanuric acid characterized by that under continuous stirring of substrates, such as herein described, chlorinated water with pH=2-5, preferably with pH=2.8-4.2 optionally containing substances improving shape of crystals of trichloroisocyanuric acid, such as herein described, is treated with aqueous solution of trisodium salt and/or tripotassium salt of cyanuric acid, in gaseous chlorine atmosphere under overpressure 0-0.06 MPa, preferably 0.005-0.015 MPa, and at temperature of 5-25°C, preferably 10-15°C, and at pH range 2.0-4.2.

(Compl. Specn. 13 pages;

Drgns. Nil)

Cl.: 186 E.

175771

Int. Cl.: H 04 N 1/00, 5/00.

A TELEVISION RECEIVER.

Applicant: THOMSON CONSUMER ELECTRONICS, INC. of 600 NORTH SHERMAN DRIVE, INDIANAPOLIS, INDIANA 46201, UNITED STATES OF AMERICA.

Inventor: MARK FRANCIS RUMREICH.

Application No. 131/CAL/1990; filed on 12th February 1990.

Appropriate Office for Opposition Proceedings, (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

3 Claims

A television receiver having a source of intermediate frequency (IF) signal comprising a picture carrier and a sound carrier modulated with video and audio information respectively, the picture carrier and the sound carrier having a predetermined frequency separation therebetween, and an apparatus for processing said signal comprising:

an IF bandpass filter means (74, 94) for filtering said IF signal to produce a first filtered version of said picture carrier but still modulated by said video information and comprising a picture gain controllable amplifier (94) for amplifying the IF signal;

a video detector means (60, 98, 110) coupled to IF bandpass filter means (74) for deriving a second filtered version of the picture carrier from the first filtered version of said picture carrier relatively free of said video modulation, and comprising a mixer (60) for producing in response to said first and second filtered versions of said picture carrier a detected video signal,

a sound bandpass filter means (80, 82) for bandpass filtering the IF signal and deriving the sound carrier modulated with audio information and comprising a sound gain controllable amplifier (82) for amplifying the sound carrier modulated with audio information;

a sound detector means (84) coupled to both the video detector means (60, 110) and sound bandpass filter means and a mixer (84) for mixing the second filtered version of the picture carrier received from the video detector means (110) and the sound carrier modulated with audio information received from the sound bandpass filter (80), and producing an output signal comprising a sound intercarrier signal modulated with the audio information, and

means (92) responsive to the detected video signal for adjusting the gain of both the picture gain controllable amplifier (94) and the sound gain controllable amplifier (82).

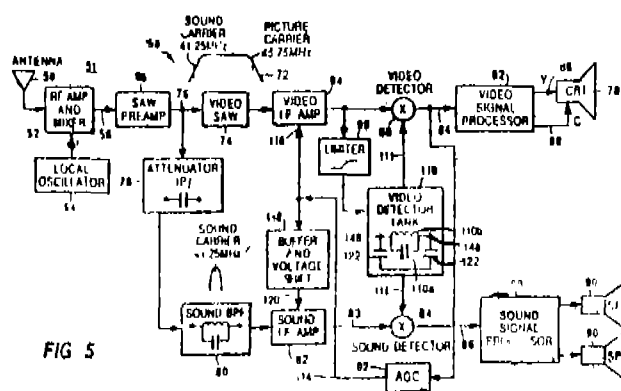


FIG 5

(Compl. Specn. 17 pages;

Drgns. 3 sheets)

Cl.: 128 K, B, G, H, J.

175772

Int. Cl.: A 61 F 5/01, 5/04.

SUPPLE INTER-VERTEBRAL STABILIZER.

Applicant & Inventors: (1) HENRI FRANCIS BREARD, OF 13, RUE FRIANT, 75014, PARIS, FRANCE, AND (2) HENRY GRAF OF 12 QUAI JULES COURMONT, 69002 LYON, FRANCE.

Application No. 328/CAL/90 filed on 20th April 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

7 Claims

Inter-vertebral stabilizer to be installed between at least two successive vertebrae, characterized in that it comprises one or more supple ligaments (1, 1a, 1b, 1c, 1d) having an all-direction flexibility, each of them being provided with means for fastening it to two respective vertebrae (V1, V2) and/or associated with two retaining elements (2, 3), each of which can be implanted in a respective vertebra (V1, V2).

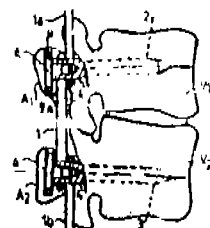


FIG 1

(Compl. Specn. 17 pages;

Drgns. 4 sheets)

Cl.: 97 B

175773

Int. Cl.: H 05 B, 6/02.

A BOTTOM POURING INDUCTION HEATING VESSEL.

Applicant: INDUCTOTHERM CORP. OF 18 INDEF. AVENUE, RANOCAS, NEW JERSEY 08073, UNITED STATES OF AMERICA.

Inventors:

- (1) NICHOLAS P. CIGNETTI,
- (2) RICHARD U. SWANEY,
- (3) JOHN H. MORTIMER.

Application No. 452/Cal/1990; filed on 29th Mar. 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

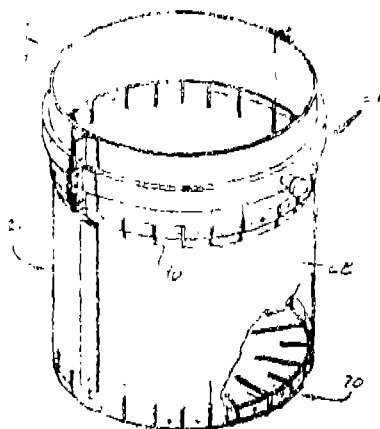
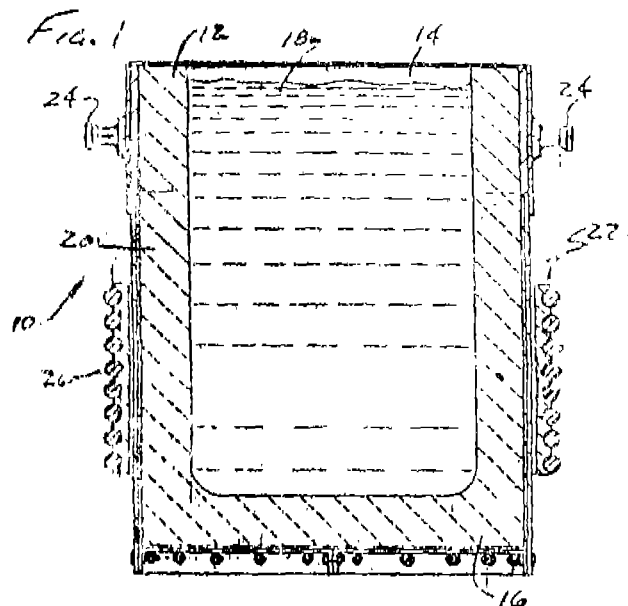
6 Claims

A bottom pouring induction heating vessel comprising:
 holding means for containing a molten metal to be heated, having a substantially continuous side wall and a bottom portion having outlet means located in said bottom portion;

a metallic shell surrounding said side walls and said bottom portion of said holding means;

stopper means for selectably controlling the flow of said molten metal through said outlet means; and

current limiting means integral with the shell for limiting induced electrical currents in the shell.



(Compl. Specn. 32 pages;

Drgns. 11 sheets)

Cl.: 65 B

175774

Int. Cl.: H 01 F 3/04.

METHOD OF MAKING A TRANSFORMER CORE COMPRISING STRIPS OF AMORPHOUS STEEL WRAPPED ABOUT THE WINDOW OF THE CORE.

Applicant: GENERAL ELECTRIC COMPANY, OF 1 RIVER ROAD, SCHENECTADY, STATE OF NEW YORK 12345, UNITED STATES OF AMERICA.

Inventors: WILLY KLAPPERT, WILLIAM KIRK HOUSER.

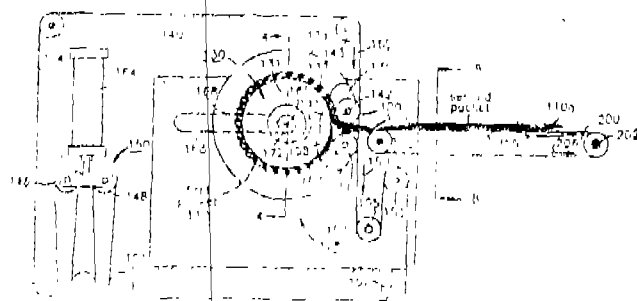
Application No. 700/Cal/1990 filed on 10th August 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

13 Claims

A method of making a transformer core comprising strips of amorphous steel wrapped about the window of the core, comprising the steps of:

- (a) providing a plurality of reels of amorphous steel strips;
- (b) unwinding the strips from said reels and combining the unwound strips into a composite strip in such a manner that juxtaposed strips in the composite strip are from different reels;
- (c) cutting said composite strip into a plurality of multi-layer sections of composite strip;
- (d) forming from said sections of composite strip groups of strips, each group comprising one or more sections of composite strips, the strips in each group having substantially aligned longitudinally-extending edges and substantially aligned transversely-extending edges at opposite ends of the group; and
- (e) feeding said groups while essentially dry in succession into a belt nester that comprises (i) a rotatable arbor and (ii) wrapping means comprising a belt extending about said arbor for wrapping said groups in superposed relationship about said arbor as the arbor is rotated, thereby building up a core from about said arbor.



(Compl. Specn. 37 pages;

Drgns. 6 sheets)

Cl.: 172 C

175775

Int. Cl.: D 01 G 9/00, 9/06.

A BALE OPENER FOR OPENING OF COMPRESSED FIBER BALES.

Applicant: TRUTZSCHLER GMBH & CO. KG., OF POSTFACH 300454, D-4050 MONCHENGLADBACH 3, FEDERAL REPUBLIC OF GERMANY.

Inventors:

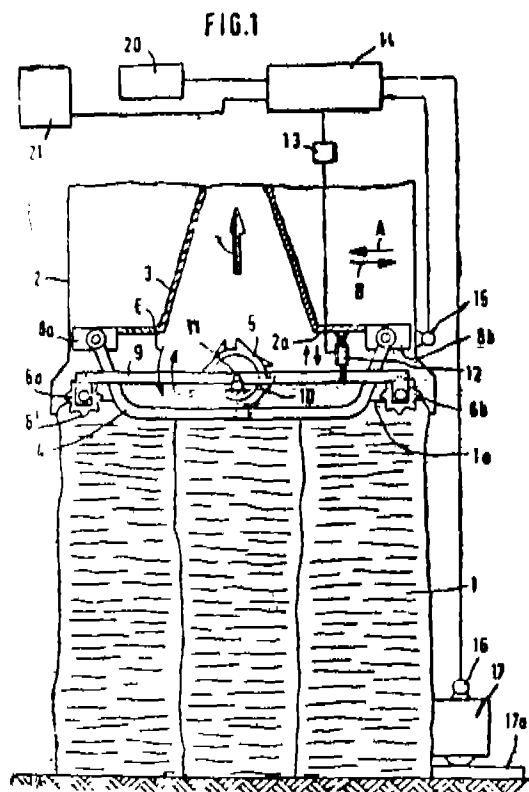
- (1) JOSEF TEMBURG,
- (2) FERDINAND LEIFELD,
- (3) ULRICH VOLLRATH.

Application No. 705/CAL/90 filed on 13th August 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

25 Claims

A bale opener for the opening of the pressed fibre bales, eg. cotton, rayon, staple fibre bales and such others, where only one fast rotating opener roller containing opener discs or needles is provided, the opener roller acts rothther with a grate, the bars of the grate lie between the opener discs, eg. toothed discs or beedles, whereby the movable opener device and the locally fixed bales rub past each other and the teeth of the opener discs or the needles catch into the fibre bale from above, wherein a bale support element, eg. a press roller (6a, 6b) is situated before and after the opener roller (5) in each case and the adjusting means (9, 10, 11, 12, 12a, 12b) are provided for the vertical displacement of the bale support elements in the opposite direction,



(Compl. Specn. 23 pages;

Drgns. 6 sheets)

Cl.: 194 C 4

175776

Int. Cl.: H 01 J 19/06, 19/08.

CATHODE FOR ELECTRON GUN.

Applicant: SAMSUNG ELECTRON DEVICES CO. LTD. OF 375, SHIN-RI, TAEAN-EUB, HWASEONG-GUN, KY-UNGGI-DO, REPUBLIC OF KOREA.

Inventors:

- (1) AN-SUB LEE.
- (2) KYUNG-CHEON SOHN.

Application No. 758/CAL/1990; filed on 03rd September 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

3-217GI/95

2 Claims

A cathode for an electron gun, comprising a cylindrical type sleeve, top portion whereof is covered with a cap of nickel base metal containing silicon, magnesium and the like, and a heating element being provided within the sleeve, wherein a thermo electron emission substance, provided on top of the said cap, is composed of triple composite oxide of alkaline earth metal, such as barium, strontium and calcium, made of thermal decomposition of triple carbonate thereof, and the said substance being characterised in having uniformly distributed therein a fourth substance which consists of scandium oxide or indium oxide, the content of said fourth substance being 0.01—5 wt.% of said triple composite oxide.

(Compl. 11 pages;

Drgns. 1 sheet)

Cl.: 69 P

175777

Int. Cl.: H 01 H 33/64.

GAS-BLAST LOAD-BREAK SWITCH.

Applicant: HITACHI, LTD., OF 6, KANDA SURUGA-DAI 4-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors:

- (1) TAKAHIDE SEKI.
- (2) SYUNJI ITOU.
- (3) HARUO HONDA.
- (4) TOHRU TSUBAKI.

Application No. 995/CAL/1990 filed on 26th November 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

9 Claims

A gas-blast load break switch comprising:

a sealed container filled with are extinguishing gas,

a fixed contact and a movable contact detachable from each other, both contacts being disposed withing said sealed container,

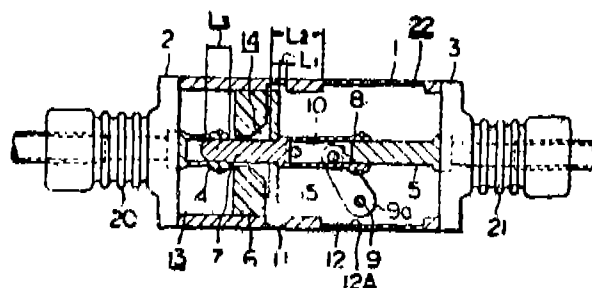
a pressure storage chamber including an insulating nozzle with a throat portion through which said movable contact is inserted therinto and containing therewith a contact portion between said both contacts,

a suction chamber formed on the opposite side of said insulating nozzle from the pressure storage chamber and including a piston connected to said movable contact,

said switch further comprising a space formed not only as a housing for an operation lever which drives said movable contact, but also as a gas chamber, on the opposite side of the piston from the suction chamber withing said sealed container, the volume of said gas chamber being predetermined greater than those of the pressure storage chamber and the suction chamber characterized in that

a gas flowing means for communicating said suction chamber and said gas chamber is provided on an inner surface of said sealed container adjacent to said suction chamber.

FIG. 1



(Compl. Specn. 20 pages;

Drgns. 5 sheets)

Cl.: 129 M

175778

Int. Cl.: B 23 K 26/06.

A METHOD OF CUTTING THROUGH A METAL PLATE FOR MAKING COMPLEX SPINNING ORIFICES.

Applicant: E.I. DU PONT DE NEMOURS AND COMPANY, AT WILMINGTON, DELAWARE, UNITED STATES OF AMERICA.

Inventors:

- (1) HENRY KOBSA,
- (2) SAMUEL EARL MOORE, SR.

Application No. 71/Cal/91 filed on 23rd January 1991.

Appropriate Office for Opposition Proceedings (Rule 4 Patent Rule 1972), Patent Office, Calcutta.

8 Claims

A method of cutting through a metal plate for making complex spinning orifices said metal plate having upper and lower surfaces comprising the steps of directing a pulsed multi-mode laser energy source beam toward the upper surface of said plate to create a molten pool of metal between the upper and lower surfaces of the plate and expelling the molten metal from the lower surface by means of a pressurized fluid such as herein described; flowing coaxial with said beam, wherein said multi-mode laser beam is reduced to a single mode beam by processes such as herein described; and focussing said single-mode beam above the upper surface of said plate.

(Compl. Specn. 9 pages;

Drgns. 2 sheets)

Cl.: 179 B,

175779

Int. Cl.: A 61 J 3/07, 5/00.

EQUIPMENT FOR FILLING MEDICINE CAPSULES.

Applicant: HUIFAMAKI OY OF ETTELARANTA 8, SF-00130 HELSINKI, FINLAND.

Inventors:

- (1) ROIF HARTZFEL,
- (2) TIMO HEILE,
- (3) PEKKA LANKINEN,
- (4) PEKKA NIEMINEN.

Application No. 840/Cal/1991; 07th November 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

2 Claims

Equipment for filling medicine capsules, the said capsules being arranged as blanks, with closed lower ends and open upper ends, vertically into rows comprising a certain number of capsules which equipment comprises a device dosing a desired quantity of the medicine for each capsule and a device forwarding the dose to the actual capsule blank, characterized in that for feeding of the medicine dose into said capsule blank (7) the equipment further comprises a funnel (23) placed above each capsule blank, and a rotatable spiral spring means (27) insertable through the funnel into the capsule blank.

(Compl. Specn. 7 pages;

Drgns. 2 sheets)

Cl.: 146 D,

175780

Int. Cl.: G 06 K 9/62.

APPARATUS FOR DECODING A STREAM OF DIGITAL SIGNALS REPRESENTING AN ELECTRO-OPTICALLY SENSED IMAGE/SENSED LABEL IMAGE.

Applicant: UNITED PARCEL SERVICE OF AMERICA INC., OF 51 WEAVER STREET, GREENWICH OFFICE

PARK 5, GREENWICH CONNECTICUT 06836-3160, UNITED STATES OF AMERICA.

Inventors:

DONALD GORDON CHANDLER.
ERIC PAUL BATTERMAN.
GOVIND SHAH.

Application No. 668/CAL/92 filed on 14th September 1992.

Divided out of No. 260/Cal/89 Antidated to 06-04-89.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

13 Claims

An apparatus for decoding a stream of digital signals representing an electro-optically sensed image/sensed label image, corresponding to a multiplicity of polycons arranged in the manner, such as herein described, said apparatus comprising:

- (a) means, such as herein described, for performing a two-dimensional clock recovery on said image to identify the optical properties of said polygons; and
- (b) means, such as herein described, for decoding said polygons in accordance with said identified optical properties.

(Compl. Specn. 82 pages;

Drgns. 12 sheets)

Ind. Cl.: 140 A²

175781

Int. Cl.: C 10 M, 133/38.

PROCESS FOR PREPARING AN ADDITIVE FOR THE FUNCTIONAL FLUIDS.

Applicant: THE LUBRIZOL CORPORATION OF 29400 LAKELAND BOULEVARD WICKLIFFE, OHIO 44092 U.S.A., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF OHIO, U.S.A.

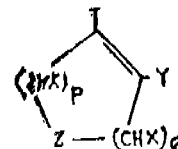
Inventors: JOSEPH WILLIAM PIALET & PAUL ERNEST ADAMS.

Application for Patent No. 56/Del/87 filed on 28 January 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

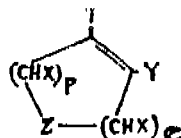
9 Claims

A process for preparing an additive for function fluids, represented by the formula I of the drawings



wherein Z is S, NR, N-C-AR, NC-NHR, N-C-R, PR or PR'A, wherein A is O or S and R is H, alkyl, alkenyl hydrocarbyl acyl, hydrocarbyl phenolate or (CH₃)_m O, where m is 1 to 12, O is O-alkyl or N-alkyl, X is independently H, COOH, NH₂, CONH₂, NHNH₂, CR, COR, NHR, OH, SH, or CN wherein R is the same as defined hereinabove; p is 0 to 2; q is 0 to 2 wherein e+p is 2 to 4; T is NH₂, NHR wherein R is the same as defined hereinabove, SH, OH or their tautomers, hydrocarbyl acyl or hydrocarbyl phenolate and

Y is CNH_2 , CO_2H or CH_2NH_2 wherein A is the same as defined hereinabove; said process comprising reacting (A) at least one reactant of the formula II of the drawings



wherein Z is S, NR' , $\text{N-C-AR}'$, $\text{NC-NHR}'$, NCR' , PR' or $\text{PR}'\text{A}$ where A is O or S and R' is H, alkyl or alkenyl; p is 0 to 2, e is 0 to 2 wherein $e+p$ is 2 to 4; x is independently H, COOH , NH_2 , CONH_2 , NHNH_2 , OR' , COR' , NHR' , OH, SH or CN, where R' is the same as defined above; wherein T is NH_2 , NHR' where R' is the same as defined hereinabove, SH, OH or their tautomers; and

Y is CN, CO_2H , CNH_2 or CH_2NH_2 wherein A is the same as defined hereinabove; with

(B) at least one reactant selected from the group consisting of hydrocarbyl substituted carboxylic acid or derivatives thereof, hydrocarbyl phenolic reactant, or mixtures thereof.

(Compl. Specn. 22 pages,

Drngs. 2 sheets)

Ind. Cl.: 32 E

175782

Int. Cl.: C 08 F, 2/00.

A PROCESS FOR PREPARING OLEFIN POLYMER PRODUCTS OF LOWER MELT FLOWS.

Applicant: SHELL OIL COMPANY, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A. OF: 900, LOUISIANE, HOUSTON, TEXAS 77901, UNITED STATES OF AMERICA.

Inventors: ISRAEL GERSHON BURSTAIN.

Application No. 323/Del/88 filed on 18-4-88.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

11 Claims

A process for preparing olefin polymer products of lower melt flows in a conventional process for preparing olefin polymer products of higher melt flows by the polymerization in a polymerization reactor of at least one alpha olefin in the presence of a polymerization catalyst, and hydrogen as a molecular weight control agent to first prepare the polymer product of higher melt flow characterised by producing the polymer product of lower melt flow by reacting at least part of the hydrogen with at least part of the alpha olefin in the presence of a hydrogenation catalyst in the polymerization reactor and removing the hydrogenation catalyst from the reactor together with the polymer product.

(Compl Specn. 18 pages

Drwg. Sheet Nil)

Ind. Cl.: 32 E+152 E+F

175783

Int. Cl.: B 29 C, 51/00, B081-5/00.

A PROCESS FOR PREPARING A THERMOPLASTIC OR THERMOSET POLYMER COMPOSITION.

Applicants: ROHM AND HAAS COMPANY, A CORPORATION ORGANISED AND EXISTING UNDER THE LAW OF DELAWARE, UNITED STATE OF AMERICA,

OF INDEPENDENCE MALL WEST, PHILADELPHIA, PENNSYLVANIA 19105, UNITED STATES OF AMERICA.

Inventors: DAVID LAMAR DUNKEL BERGER, NEWMAN MAYER BORTNICK, WILLIAM JAMES WORK, JIUN-CHEN WU.

Application for Patent No. 442/Del/88 filed on 19 May 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110005.

5 Claims

A process for preparing a thermoplastic or thermoset polymer composition useful in or as a sheet or molded article comprising thermoplastic or thermoset matrix polymer of the kind such as herein described an substantially spherical particles having only a single polymeric phase, and single polymer particles having an average diameter of from 2 to 15 μm and a particle size distribution such that at least 90% by weight of the particles fall within $\pm 20\%$ of the average particle diameter, wherein the process comprises:

(A) polymerizing a first aqueous emulsion of one or more monomers which, when polymerized, produce polymer particles;

(B) I. swelling the particles of step(A), with one or more monomers such as herein described, and.

II. polymerizing the swelling monomer within the particles until all of the monomers have been polymerized, step BI and BII being repeated, if necessary, until at least 90% by weight of the particles of the particulate composition fall within $\pm 20\%$ of a desired size, in which case said particles are referred to as single phase polymer particles, and blending said single phase polymer particles, in an amount of 0.1 to 40% by weight of the total composition, with said matrix polymer.

(Compl. Specn. 98 pages

Drngs. sheets Nil)

Ind. Cl.: 140 A*

175794

Int. Cl.: C 10 N, 127/00, 127/06.

LUBRICATING OIL COMPOSITION FOR CONTROLLING AND/OR INHIBITING THE FORMATION OF BLACK SLUDGE IN A GASOLINE FUELED INTERNAL COMBUSTION ENGINE.

Applicant: THE LUBRIZOL CORPORATION, HAVING OUR PRINCIPAL PLACE OF BUSINESS AT 29000 LAKELAND BOULEVARD WICKLIFFE, OHIO 44092 USA A CORPORATION OF THE STATE OHIO.

Inventors: JOHN PHILIP MURPHY.

Application for patent No. 551/Del/88 filed on 29 June 1988.

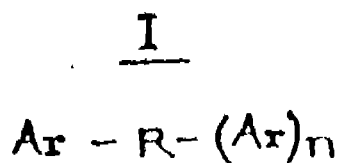
Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-110005.

6 Claims

A lubricating oil composition for controlling and/or inhibiting the formation of black sludge in a gasoline fueled internal combustion engine which comprises;

from 65% to 95% of an oil of lubricating viscosity and from 5% to 35% by weight of an aliphatic hydrocarbon

substituted aromatic hydrocarbon such as herein described having the formula I



of the accompanying drawing wherein each Ar is independently an aromatic nucleus such as herein described having up to 3 substituents R is a hydrocarbyl group having from 1 to 30 carbon atoms and n is an integer ranging from 1 to 6, with the proviso that n does not exceed the available valences of R.

(Complete Specification 28 Pages)

Drawing 1 Sheet)

Ind. Cl. 206 E.

175785.

Int. Cl. : H 01B 11/18 & G01R 31/08.

SHORTED-COAXIAL-CABLE DETECTOR FOR LOCAL-AREA NETWORK DEVICE.

Applicant : DIGITAL EQUIPMENT CORPORATION, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF MASSACHUSETT UNITED STATES OF AMERICA, OF 146 MAIN STREET, MAYNARD, MASSACHUSETTS 01754,, UNITED STATES OF AMERICA.

Inventor : WILLIAM CHARLES MALLARD.

Application for Patent No. 594/Del/1988 Filed on 11 July 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

5 Claims

A shorted-coaxial-cable detector for local-area-network device comprising:

A. a transmitter (16) for being coupled to a local-area-network cable (14) and which, when activated, transmit binary signals by selectively driving current through the cable (14) at one of two predetermined magnitudes in the same direction and thereby causing voltages within pre determined voltage ranges of a given polarity on the cable (14) when the cable is not shorted;

B. a pulse detector, (40) comprising.

- (i) a reference source that provides a reference voltage; and
- (ii) a comparison circuit coupled to the reference source to receive the reference voltage, and for being coupled to the local-area-network cable, (14) for comparing the voltage therein to the reference voltage, and for generating at an output thereof a short-indicating signal representative of the result of that comparison; and

C. a control circuit (18) coupled to the pulse detector (40) output and the transmitter (16) to enable the transmitter (16) to be in an active state to drive current through the cable (14) or be in an inactive state when the transmitter (16) does not drive current through the cable (14).

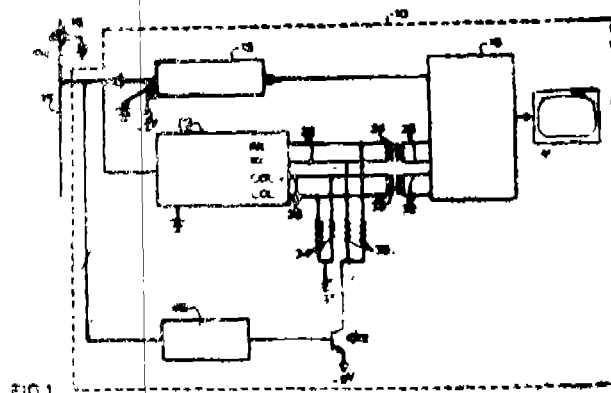


FIG 1

(Compl. Specn. 23 pages;

Drwg. 3 sheets)

Ind. Cl. : 130L.

175786

Int. Cl. : C22B 15/08, 23/04.

AN IMPROVED PROCESS FOR THE EXTRACTION OF COPPER NICKEL AND COBALT METAL VALUES FROM MANGANESE SEA NODULES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-1, INDIA AND INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor : PRAVANSU SEKHAR MOHANTY, SHASHI ANAND, AND RADHANATH PRASAD DAS.

Application for Patent No. 1039/DEL/88 filed on 29 November 1988.

Complete after provisional left on 13-12-89.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

An improved process for the extraction of copper-nickel and cobalt metal values from manganese sea nodules which comprises grinding and sieving the nodules, leaching the said sieved nodules with elemental sulphur as the reductant at a temperature in the range of 80 to 130°C for a period of 1 to 4 hrs in ammoniacal medium such as herein described and recovering copper, nickel and cobalt metal values by conventional methods.

(Provisional Specification 5 pages).

(Complete Specification 11 pages).

Ind. Cl. : 180

175787

Int. Cl. : F 27 B 9/00.

A STOVE OPERABLE ON A COMBUSTIBLE FOIL-AGE.

Applicant & Inventor : FELIX AUGUSTINE RYAN, AN INDIAN NATIONAL OF S.B./12, AZAD APD, SRI ARBINDO MARG, NEW DELHI-110 016, INDIA.

Application for Patent No. 747/DEL/89 filed on 23 August 89.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A stove capable of using a combustible foliage as a fuel comprising at least one cylinder having an open proximal end, a plurality of spaced openings being provided on said cylinder and in the proximity of the closed distal end, a piston adapted to slide within said cylinder through said open end being provided for pushing the fuel feed towards said closed end of the cylinder, an opening being provided near said open proximal end for introduction of the fuel, a handle being provided with said piston for sliding said piston within said cylinder.

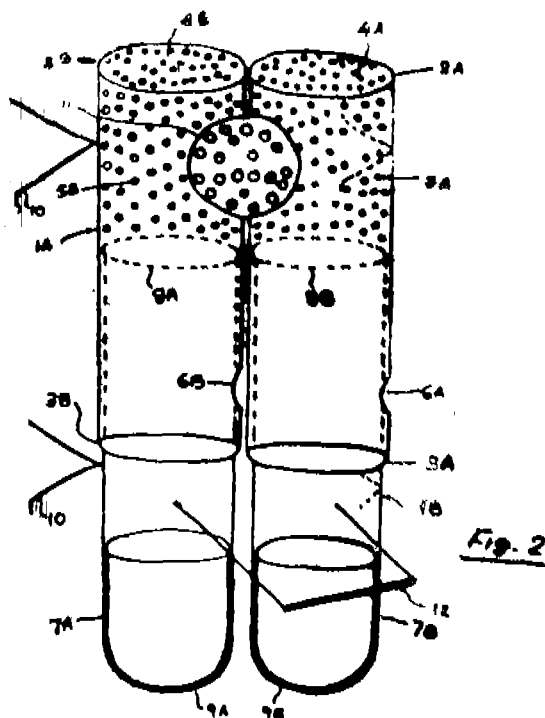


Fig. 2

(Compl. Specn. 7 pages;

Drwg. 1 sheet)

Ind. Cl.: 53 E

175788

Int. Cl.4: B 65 D, 75/00.

A CONTAINER FOR HOLDING MEDICAMENT.

Applicant: NORWICH EATON PHARMACEUTICALS, INC., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF OHIO, U.S.A. AT ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO, U.S.A.

Inventor: JAY ARTHUR BATCHELOR.

Application for Patent No. 1229/Del/89 filed on 26 December 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

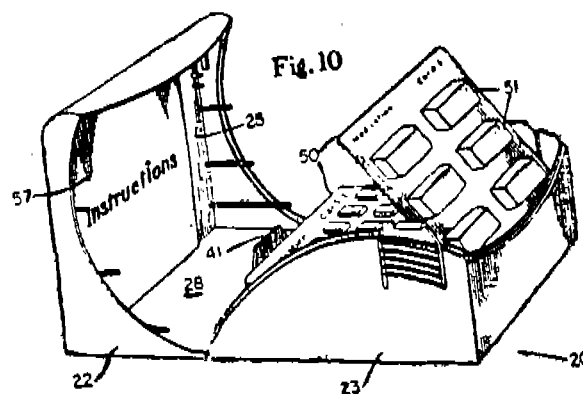
5 Claims

A container for holding medicament, which is used for improving compliance with a the rapeutic regimen wherein a plurality of medicaments are to be administered to a patient in a prescribed sequence and in accordance with specified intervals, said container comprising:

- (a) a multiplicity of blister cards of generally uniform planer dimensions for holding medicaments in sequential order on the individual cards and from card-to-card, said blister cards being placed in stacked array with the principal dimensions thereof oriented generally horizontally and arranged in

order of card use, with the first to be used topmost;

- (b) a base which houses the stack of blister cards, said base being adapted to support said stack vertically and having means therein to provide lateral support to maintain vertical alignment of the edges of the blister cards comprising the stack, said base having a partial internal back wall projecting from said base for permitting direct and unobstructed access to the uppermost blister card of the stack and limited access, only, to the edges of said blister cards; and
- (c) a lid adapted to cover said base and movable to an open position whereby access to said uppermost blister card is provided.



(Compl. Specn. 14 pages;

Drwg. 6 sheets)

Ind. Cl.: 32 F(29)

175789

Int. Cl.4: A 61 K, 31/045.

AN IMPROVED PROCESS FOR THE PREPARATION CIS-5- (3 - (1, 1-DIMETHYLETHYL) AMINO)- 2 HYDROXYPROPOXY)-1, 2, 3, 4-TETRAHYDRO-2, 3-NAPHTHALENDIOL, KNOWN AS (NADOLOL), USEFUL AS A B-ADRENERGIC BLOCKING AGENT.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-1, INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

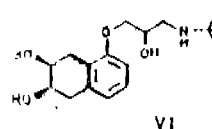
Inventors: ALLA VENKATA RAMA RAO MUKUND KESILAO GURIAR SHREERANG VIDYADHAR JOSHI SYAMALA SIMHADRI.

Application for Patent No. 1273/DEL/90 filed on 18 December 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

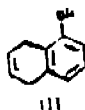
An improved process for the preparation cis-5- (3 - (1, 1-dimethylethyl) amino)- 2-hydroxypropoxy-1, 2, 3, 4-tetrahydro-2, 3-naphthalenediol, known as (Nadolol), useful as a -adrenergic blocking agent of the formula VI shown in the drawing accompanying



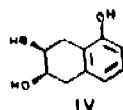
this specification which comprises :

4 Claims

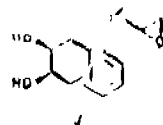
(a) converting the 5, 8, dihydro-1-naphthol of the formula III.



in the presence of osmium tetroxide and mixture of solvent at a temperature in the range of 0°C to room temperature to give Cis 5, 6, 7, 8 tetrahydro 6-7-dihydroxy-1-naphthol acetate of the formula IV.



(b) reacting the compound of the formula IV with epichlorohydrin in the presence of sodium hydroxide to give epoxy compound of the formula V and



(c) converting the epoxy compound of the formula V by ring opening by conventional methods to obtain compound of formula VI.

(Compl. Specn. 10 pages;

Drwg. 1 sheet)

Ind. Cl. : 32 (F4)

175790

Int. Cl.4: C 07 C, 155/02.

AN IMPROVED PROCESS FOR THE PREPARATION OF S-ALKYL AND S-ARYL ESTERS OF N-METHYLCARBAMOTHIOIC ACID.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XX 1860).

Inventors :

SAGUN KASHINATH TANDEL.

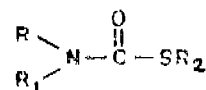
RAJAN HIRALAL NAIK.

SRINIVASACHARI RAJAPPA.

Application for Patent No. 1319/DEL/90 filed on 26 December 1990.

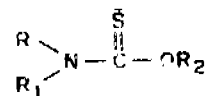
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

An improved process for the preparation of S-alkyl and S-aryl esters of N-methylcarbamothioic acid of the formula X shown in the drawing accompanying



(X)

the specification where R is alkyl/aryl, R1 is either H of alkyl and R2 is alkyl/aryl group which comprises refluxing the corresponding alkyl/aryl esters of N-methylthiocarbamic acid of the formula IX.



(IX)

with acid catalyst such as iodine sulphuric acid in the presence of absence of organic solvents, for 8 to 20 hours.

(Compl. Specn. 7 pages

Drwg. 1 sheet)

Ind. Cl. : 107-H

175791

Int. Cl.4: F 02 M 39/00.

A RECIPROCATING PLUNGER FUEL INJECTION PUMP.

Applicant & Inventor: PALATHRA JOSEPH SEBASTIAN, AN INDIAN NATIONAL, OF PALATHRA HOUSE, VERPOOR-P.O., CHANGANACHERRY, KOTTAYAM (DIST.), KERALA.

Application and Provisional Specification No. 82/MAS/91 filed February 4, 1991.

Complete Specification left: October 8, 1991.

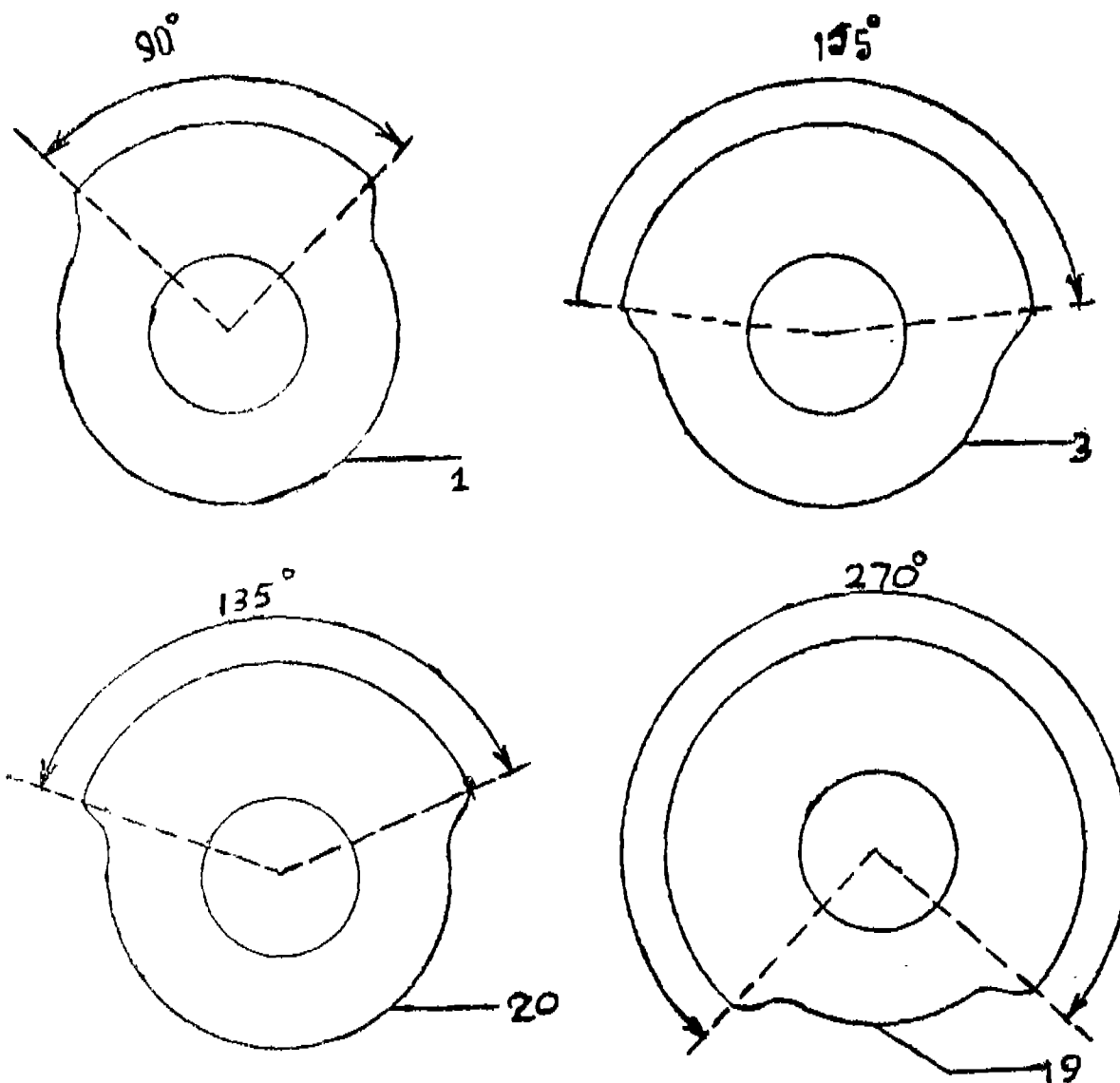
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

A reciprocating plunger fuel injection pump for a 4-stroke IC engine of the kind comprising two cam shafts having rotary cams with specific lobe shapes, adapted to be driven in a timed relationship with the associating 4-stroke IC engine, one of the said cam shafts running at the speed of the associating engine crank shaft and the other cam shaft running positively at its half speed, a tappet assembly having an extra side arm and with rollers at two ends to engage the two rotary cams, the third end being attached to the plunger,

the said cam having the higher speed engaging one roller to cause the tappet assembly and the plunger to move upwards causing the fuel to be displaced from the pump barrel at the

correct time and then the next cam engaging the second roller supporting the tappet from coming down during the remaining strokes of the 4-stroke cycle.



(Prov. 3 pages; Drwgs. Nil).
(Com. 10 pages; Drwgs. 2 sheets).

d. Cl. : 99 E

175792

t. Cl. : B 65 D 17/00.

A CONTAINER SUITABLE FOR CONTAINING DRINKS EDIBLE LIQUIDS AND OTHER SUBSTANCES SUCH AS BULK SOLIDS AND PROVIDING HYGIENIC PROTECTION.

Applicant & Inventor: FERRUCCIO CANINI, OF ITALIAN NATIONALITY, OF VIA AMARENA 4, 16143 GENOA, ITALY.

Application No. 105/Mas/90 filed on 9th February 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), The Patent Office Branch, Madras-2.

18 Claims

A container suitable for containing drinks, edible liquids and other substances, such as bulk solids and providing hygienic protection, the said container comprising a protective layer covering at least a part of the surface of the lid of the container coming into contact with the contents of the container.

(Compl. Specn. 17 pages;

Drwg. 3 sheet)

Ind. Cl. : 190-B

175793

Int. Cl. : F 01 D 5/12.

A METHOD OF REFURBISHING A TURBINE BLADE AND AN APPARATUS FOR THE SAME.

Applicant: REFURBISHED TURBINE COMPONENTS LIMITED, A BRITISH COMPANY, OF GEORGE BAYLISS ROAD, DROITWICH, WORCESTERSHIRE, WR9 9AB, ENGLAND.

Inventors:

(1) MICHAEL: JAMES FRASER.

(2) RAYMOND DONALD LEGROS.

Application No. 198/MAS/90 filed March 16, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

21 Claims

A method of refurbishing a turbine blade from a damaged turbine blade comprising the steps of (a) distorting a turbine blade by applying physical force in a direction opposite to the distortion expected on application of thermal energy

to the said blade during an operation such as welding carried on the said blade (b) applying thermal energy to the blade kept distorted (c) removing the physical force from the said blade after step (b); (d) and thereafter heat treating the same to relieve stress therefrom.

(Com. 26 pages;

Drwgs. 4 sheets)

Ind. Cl.: 107-K

175794

Int. Cl.4 : F01L 3/08.

AN IMPROVED VALVE STEM SEAL ASSEMBLY.

Applicant: DANA CORPORATION, 4500 DORR STREET, TOLEDO, OHIO 43615, U.S.A. A CORPORATION OF THE STATE OF VIRGINIA, U.S.A.

Inventors:

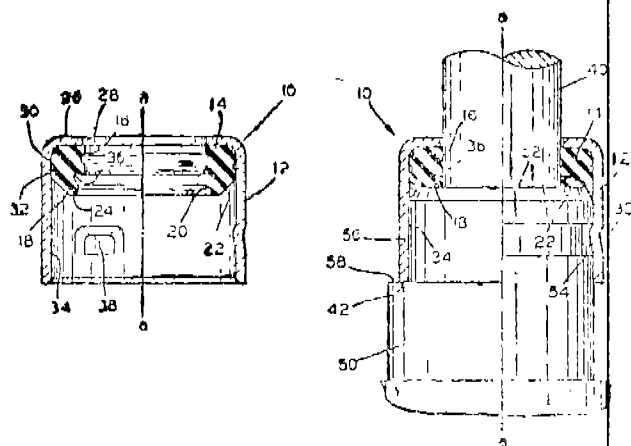
- (1) J. DUDLEY BINFORD,
- (2) PHILIP L. BOND,
- (3) DAVID F. FIDLER,
- (4) IVAN J. BRUNS.

Application No. 245/MAS/90 filed April 4, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

11 Claims

An improved valve stem seal assembly for securing a valve guide of an internal combustion engine, said assembly comprising a rigid cylindrical shell defining a longitudinal axis and having an endwall containing an aperture for receiving a valve stem, said assembly having an annular resilient seal body contained within said shell; said seal body having a frustoconical sealing element integral with said resilient seal body, said element converging radially inwardly in respect to said axis in its free and unrestrained state and having a matching surface with a radially extending annular surface on said valve guide.



(Com. 12 pages;

Drwgs. 1 sheet)

Ind. Cl.: 104-G

175795

Int. Cl.4 : A 01 G 13/02, A 01 G 23/00.

A RAIN GUARD FOR A LATEX YIELDING TREE.

Applicant: JOSEPH AUGUSTINE, KALUKAMACKAL HOUSE, VAZHOOOR P.O. 686 504, KOTTAYAM DISTRICT, KERALA, INDIA, INDIAN NATIONAL.

Inventor: JOSEPH AUGUSTINE.

Application No. 284/MAS/91 filed on 11th April 1991

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

A rain guard for a latex yielding tree comprising a thin flexible sheet impervious to water progressively increasing in breadth from one end to the other, the sheet terminating at the latter end in a veil of a shovel-shaped configuration, a hem provided for the sheet for being wrapped around and fixed in spiral fashion to the trunk of the said tree just above the latex tapping zone, the veil drooping over the said zone in contact with the latex collection vessel, the lower tip of the veil being weighted down and the veil itself being fixed to the trunk of the tree.

(Com. 6 pages;

Drwgs. 3 sheets)

Ind. Class - 32-C

175796

Int. Cl.4 - C 12 P 21/00

A PROCESS FOR PRODUCING A HETEROLOGOUS PEPTIDE.

Applicant: ASTRA RESEARCH CENTRE INDIA, A REGISTERED INDIAN SOCIETY, OF 18TH CROSS, MALLESWARAM, BANGALORE-560 003, KARNATAKA, INDIA.

Inventor: (1) GOUTAM DAS

(2) TANJORE SOUNDARARAJAN BALGANESH

(3) SANDHYA SRIKANTH VISWESWARIAH

(4) SRAJINI KAUL.

Application No. 290/Mas/93 filed April 28, 1993,

Divisional to Patent Application No. 52/Mas/90; Antedated to 18th January, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Branch New Delhi-110 005.

2 Claims

A process for producing a heterologous peptide which comprises the steps of:

(a) constructing a vector PARC 0801 comprising of the entire E. Coli St gene sequence (described in pARC 0101) by introducing an alternate codon TCT in place of AGT at Ser 55 in the E. Coli at gene, to create an ECOR 1 site,

(b) cutting the vector pARC 0801 with ECOR I,

(c) cutting the desired DNA fragment coding for a heterologous peptide with ECOR I,

(d) Ligating the products of steps (b) and (c) with T4 DNA ligase to obtain a peptide expression VECTOR WHEREIN THE E. Coli pre-pro st sequence (single letter code) MK K S I L M I F L S V L S F S P F A Q D A K P V E S K F K I T K E S K K C N I A N K K S N K S G P E S M is fused in frame with DNA sequence coding for the peptide,

(e) transforming the ligated mixture obtained in step (d) into an E. Coli Host;

(f) growing the E. Coli host at optimal conditions.

(g) purification of extracellularly secreted peptides by known methods.

(Com. - 24 pages;

Drawgs. - 7 sheets)

Int. Cl. : 32 F, 155 F₂

175797

Int. Cl. 4 : C 09 K, 21/00

A PROCESS FOR THE MANUFACTURE OF FLAME RETARDANT ACRYLIC FIBRES.

Applicant & Inventor : THE PRINCIPAL SCIENTIST & HEAD, SIR PADAMPAT RESEARCH CENTRE (A DIVISION OF J. K. SYNTHETICS LTD.) OF JAYKAY NAGAR, KOTA-234003, RAJASTHAN, INDIA, AN INDIAN COMPANY.

RATI MEHTA, PURSHOTTAM SHARMA, BOMMU VENKATPESHVARA RAO AND NARESH DUTTA SHARMA, ALL INDIAN NATIONALS OF JAYKAY NAGAR, KOTA-324003, RAJASTHAN.

Application for Patent No. 10137/Del/89 filed on 3-11-89.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Branch New Delhi-110 005.

9 Claims

A process for the manufacture of flames retardant acrylic fibre which comprises in preparing a dope of polymer blend composed of acrylic polymer as herein described and at least one halogen containing polymer together with at least one inorganic/organic additive in a solvent which essentially dissolves the acrylic and halogen containing polymers such as herein described, characterised in that an organo-tin stabiliser being added in the amount of 0.01 to 5% by weight of the process of spinning to produce flame retardant acrylic fibre of improved whiteness.

(Complete Specification 26 Pages)

Int. Cl. : 55 F.

175798

Int. Cl. 4 : C 07 G, 11/00

A PROCESS FOR THE PREPARATION OF IMMOBILIZED NITROCELLULOSE MEMBRANE HAVING ANTI B-HCG ANTIBODY THEREON.

Applicant : NATIONAL INSTITUTE OF HEALTH & FAMILY WELFARE, NEW MEHRAULI ROAD MUNIRKA NEW DELHI-110067, INDIA.

Inventors : GUNTUPALLI LAKSHMI KUMARI & PRAMOD KUMAR PANDEY.

Application for Patent No. 296/Del/90 filed on 23 March 1990.

Complete Specification filed on 24 June 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Branch New Delhi-110 005.

2 Claims

A process for the preparation of immobilized nitrocellulose membrane having anti-B-HCG antibody thereon used for detecting early pregnancy comprising dissolving purified B-HCG antibody in tris-glycine buffer in a dish, dipping nitrocellulose sheet into the said dish with polished side upwardly, incubating said sheet in said solution at a temperature of 37±1°C for 1-2 hours followed by drying and incubation again for 1/2 to 1 hour at the said temperature in bovine serum albumin in the said buffer, air drying said sheets in a incubator at 20-25°C for getting immobilized sheets.

(Provision specification 4 pages.

Drawing sheet NIL)

(Complete Specification 8 pages.

Drawing sheet NIL)

Int. Cl. 32 (P2b)

175799

Int. Cl. 4 : C 07 D, 295/00

PROCESS FOR THE PREPARATION OF 2-SUBSTITUTED N, N-DIMETHYLBENZYL PYPERAZINE.

Applicant : SOCIETE DE CONSEILS DE RECHERCHES ET D. APPLICATIONS SCIENTIFIQUES (SCRAS), A FRENCH COMPANY, OF 51/53 RUE DU DOCTEUR BLANCHE, 75016 PARIS, FRANCE.

Inventors : PIERRE BRAQUET, EDUARDO PROCHIZKY, JEAN JACQUES GODRROLD & FRANCOISE HEYMANS.

Application for patent No. 1-0/Del/90 filed on 5 Apr 1990

Convention date 15-4-89/8908587.2/UK.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Branch New Delhi-110 005.

2 Claims

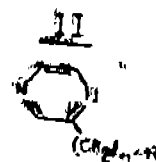
A process for preparation of piperazine derivatives of the general formula I of the accompanying drawings wherein

$-(CH_2)_n$ - represents a straight or branched chain alkyl group having from $n=1$ to $n=20$ carbon atoms, and

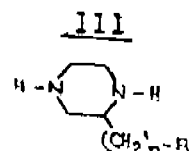
R represents a hydrogen atom, a branched alkyl rest, a cycloalkyl group having from 5 to 10 carbon atoms, a phenyl group, optionally substituted by one or several chlorine atoms, methyl or methoxy groups or straight or branched chain alkenyl groups having from 3 to 11 carbon atoms,

and the therapeutically acceptable salts thereof which comprises :

- reacting a compound of the general formula $R-(CH_2)_{n-1}-X$ wherein R and n are as above defined & X is a bromine or chlorine atom with pyrazylmethyl sodium;
- reducing the resulting substituted methylpyrazine of the general formula II of the drawings



either with hydrogen over a palladium (10%) on charcoal catalyst (in ethanol) or by sodium in ethanol leading the substituted piperazine of the general formula III of the accompanying drawings; and



- acylating piperazine of the general formula III by 3, 4, 5-trimethoxybenzoyl chloride, in benzene, in the presence of triethylamine, at room temperature to provide the derivative of general formula I and, where desired, preparing the therapeutically acceptable salts thereof in any known manner.

(Complete Specification 20 Pages Drawing Two Sheets)

Ind. Cl. : 32 F (29)

175800

Int. Cl. : A 61 K, 31/19.

A PROCESS FOR PRODUCING 2-PHENYL PROPIONIC ACID DERIVATIVES.

Applicant : BOUCHARA S. A., A FRENCH COMPANY, OF 68 RUE MARJOLIN, B P. No. 67 92302, LEVALLOIS-PERRET CEDEX, FRANCE.

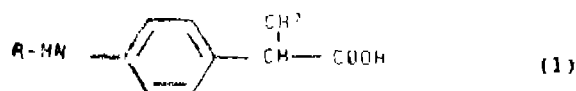
Inventors : CLAUDE PERRIN.

Application for Patent No. 724/Del/90 filed on 16 Jul 1990.

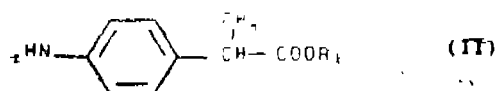
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Branch New Delhi-110 005.

(CLAIMS 9)

A process for producing 2-phenyl propionic acid derivatives substituted with an alkylamino group of the formula I



Wherein R is a lower alkyl which may be substituted by a hydroxyl a lower alkenyl radical, a lower alkynyl radical, or an aryl lower alkyl radical, which comprises reacting a 2-(4-amino phenyl) Propionic derivative of formula II.

wherein R₁ is an alkyl radical having from 1 to 6 carbon atoms of a hydrogen, previously dissolved in an inert, water-immiscible, non polar organic solvent,

With an alkylating reagent at a concentration ranging from 1 to about 1.4 mol per mol of amino phenyl propionic acid in heterogeneous phase in the presence of a phase-transfer catalyst which is a quaternary derivative selected from the group consisting of quaternary ammonium salts and quaternary phosphonium salts which are soluble in both the hydrophobic solvent and in water in an amount of about 10g per mol of amino phenyl propionic acid and a basic agent such as hereinbefore described in aqueous medium at a temperature below the boiling point of the organic solvent.

(Complete Specification 9 Pages)

Drawing sheets Nil)

In pursuance of leave granted under Section 20 (1) of the Patents Act 1970 application No. 38/Del/87 (170443) of VAPOR CORPORATION, U. S. A. has been allowed to proceed in the name of DRESSER INDUSTRIES, INC., U.S.A.

RENEWAL FEES PAID

154492 155582 155798 156017 156336 157299 157635 157637
 158168 158215 158455 158593 158642 158662 158790 158950
 159121 159149 159512 160223 160498 160499 160626 160992
 161003 161076 161865 161997 162212 162560 162705 163300
 164027 164102 164132 164339 164400 164560 164711 164746
 165102 165103 165104 165172 165714 165964 166544 166694
 166878 167091 167098 167147 167171 167175 167217 167255
 167271 167357 167400 167555 167721 168095 168574 168690
 168700 169315 169318 169323 169358 169361 169362 169393
 169498 169521 169563 169570 169737 169796 169902 169934
 169992 169996 170315 170317 170522 170529 170872 170879

170883 170900 171027 171039 171111 171118 171140 171274
 171302 171526 171657 171658 171685 171738 171906 171958
 172209 172428 172524 172960 173076 173101 173109 173170
 173220 173221 173223 173231 173232 173258 173271 173272
 173275 173282 173283 173287 173303 173305 173312 173366
 173510 173614 173663 173664 173672 173675 173718 173719
 173858 173975 173977 173978 173979 173980.

CESSATION OF PATENTS

153581 153615 153695 153701 153712 153736 153739 153861
 153959 153964 154036 154043 154089 154101 154107 154115
 154136 154169 154181 154205 154225 154229 154242 154335
 154362 154368 154426 154434 154472 154484 154485 154493
 154495 154530 154544 154744 154768 154776 154797 154807
 154822 154840.

AMENDMENT PROCEEDINGS UNDER SECTION 57

Noice is hereby given that SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESSELLSCHAFT, a German company of Friedrich-Ebert Strasse 84, 8070 Ingolstadt, Germany have made an application under section 57 of the Patent Act, 1970 for amendment of application and specification of their application for Patent No. 170049 (527/Mas/89) for "a method of joining threads in an open end spinning apparatus."

The amendments are by way of correction. The application for amendments and the proposed amendments can be inspected free of charge at the Patent Office Branch, 61, Wallajah Road, Madras-600 002, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on prescribed Form-20 within 3 months from the date of Notification at the Patent Office Branch, Madras-2. If the Written Statement of Opposition is not filed with the Notice of Opposition. It shall be left within one month from the date of filing the said Notice.

RESTORATION PROCEEDINGS

Noice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 162435 granted to Moden Abdul Wahab Amarnudin for an invention relating to "a water-saving flushing device for use in a flushing cistern."

The Patent ceased on the 06-08-1994 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent will be notified in the Gazette of India, Part III, Section 2 dated the 19th August, 1995.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, the Patent Office, Nizam Palace, 2nd M. S. O. Building, 5th, 6th and 7th floor, 234/4, Acharaya Jagdish Chandra Bose Road, Calcutta-700020 on or before 26-10-1995 the under Rule 69 of the Patents Rules 1972. A written statement in triplicate setting out the nature of the opponen's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 167968 granted to Shrinivas P. Acharya & Aracindra B. Palkar Acharya for an invention relating to "an improved process for the synthesis of nordiazepam."

The patent ceased on the 10th July, 1994 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 19th August, 1995.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam

Palace 2nd M. S. O. Building, 5th, 6th & 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 26-10-1995 under Rule 69 of the Patents Rules 1972. A Written Statement in triplicate setting out the nature of the opponents interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 173364 granted to Narendra Ghorpada for an invention relating to "an improved flushing cistern."

The patent ceased on the 19th May, 1995 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 19th August, 1995.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace 2nd M. S. O. Building, 5th, 6th & 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 26-10-1995 under Rule 69 of the Patents Rules 1972. A Written Statement in triplicate setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

PATENT SEALED ON

28-7-95

172804 174701* 174702 174704* 174705 174706 174707
174708 174709 174710 174711 174714 174718 174719 174721
174722* 174723* 174726 174727 174728 174729.

Cal-4, Del-16, Bom-Nil & Mas-1.

*Patent shall be deemed to be endorsed with the words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patent, F—Food Patent.

REGISTRATION OF DESIGN

The following designs have been registered. They are not open to inspection for Period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of the registration included in the entries.

Class 1. No. 168331 & 168332, Harish Chabra, C/o. Siri Ram & Sons, 7531/1, Tel Mill Marg, Ram Nagar, Paharganj, New Delhi-55, India, an Indian

national of the above address, "EXHAUST FAN" 28th October 1994.

Class 1. No. 168155, Tefal S. A., a French company of 74150, Rumilly, France, "FRYING PAN", 27th September 1994.

Class 1. No. 168135, Italik Metalware Pvt. Ltd. "KLIK", Near Nutan Press Sadar, Post Box No. 333, Rajkot 360001, India, Gujarat, India, "TOOTH BRUSH", 20th September 1994.

Class 1. No. 168519, S. G. Industries, Plot No. 44, Gali No., 6, Industrial Area, New Rohtak Road, New Delhi-110005, India, an Indian partnership concern, "BRACKETS", 21st December 1994.

Class 1. No. 168520, S. G. Industries, Plot No. 44, Gali No. 6, Industrial Area, New Rohtak Road, New Delhi-110005, India, an Indian partnership concern, "ADJUSTABLE WINDOW FRICTION STAY", 21st December 1994.

Class 1. No. 168291, Meera Industries, No. 5, Nynar Nadar Road Mylapore, Madras-4, "TUBE FOR LPG STOVE", 25th October 1994.

Class 3. No. 168707, Elesa S.p.A. of Via, G. Pascoli 21, 20129 Milano, Italy, an Italian company, "U-HANDLE", 31st January 1995.

Class 3. No. 165757, Dalmia Industries Limited, of 8th floor, Gopala Tower, 25 Rajendra Place, New Delhi-110008, India, an Indian company, "FEEDING BOTTLE", 14th June 1993.

Class 3. No. 165758, Dalmia Industries Limited, of 8th floor, Gopala Tower, 25 Rajendra Place, New Delhi-110008, India, an Indian company, "FEEDING BOTTLE", 14th June 1993.

Class 3. No. 168097, La Opala Glass Private Limited, 12A Camac Street Calcutta-700 017, West Bengal, India "Plates". 13th September 1994.

Class 3. No. 168191, 168194, 168196 & 168197, Govind Rubber Limited, an Indian company incorporated under the Indian companies Act, and having their principal place of business at 422, Creative Industrial Estate, N. M. Joshi Marg Lower Patel, Bombay-11, Maharashtra, India, "TYRES FOR BICYCLES" 5th October 1994.

Class 3. No. 168038, The Gillette company a corporation of the State of Delaware of Prudential Tower Building, Boston Massachusetts 02199, United States of America, "CAPPED FLUID DISPENSER". 5th September 1994.

R. A. ACHARYA

Controller General of Patents, Design & Trade Mark

प्रबन्धक, भारत सरकार मन्त्रालय, करीबाबाद द्वारा मन्त्रित
एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1995

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AND PUBLISHED BY THE CONTROLLER OF PUBLICATIONS, DELHI, 1995

